Discussion Paper No. 13-063

A Primer on Damages of Cartel Suppliers – Determinants, Standing US vs. EU and Econometric Estimation

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A PRIMER ON DAMAGES OF CARTEL SUPPLIERS - DETERMINANTS, STANDING US VS. EU AND ECONOMETRIC ESTIMATION

Eckart Bueren*, Florian Smuda*

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Abstract

While private actions for damages against price-cartels by direct and indirect customers receive much attention, it is largely unresolved to what extent other groups that are negatively affected may claim compensation. This paper focuses on probably the most important one: suppliers to a downstream sellers' cartel.

The paper shows graphically and analytically that cartel suppliers are negatively affected by the conspiracy depending on three effects: a direct quantity, a price and a cost effect. The article then examines whether suppliers are entitled to claim ensuing losses as damages in the US and the EU, with exemplary looks at England and Germany, thereby delineating the boundaries of the right to damages in different legal systems. We find that, while the majority view in the US denies standing, the emerging position in the EU, considering also recent case law and the forthcoming Damages Directive, allows for approving cartel supplier damage claims. We argue that this can indeed be justified in view of the different institutional context and the goals assigned to the right to damages in the EU. The Annex complements our result that supplier damage claims are practically viable by showing how supplier damages can be estimated econometrically with an adjusted residual demand model.

Keywords Competition policy, comparative law, private enforcement, cartels, suppliers, quantification of damages, standing.

Category: Comparative Law

JEL Class L41, K21

I. Introduction

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I. Introduction

Private actions for damages from competition law infringements are on the rise worldwide.¹ In Europe, having remained in the shadows for long,² they are at the heart of the legal and policy debate since the Court of Justice (ECJ) held in *Courage* that³

"The full effectiveness (...) and, in particular, the practical effect of (...) Article [101(1) TFEU⁴] would be put at risk if it were not open to any individual to claim damages for loss caused to him by a contract or by conduct liable to restrict or distort competition." ⁵

Five years later, the ECJ added in *Manfredi* that

"It follows that any individual can claim compensation for the harm suffered where there is a causal relationship between that harm and an agreement or practice prohibited under Article [101 TFEU⁶].⁷

Daniel L. Rubinfeld, in: Elhauge, Research Handbook on the Economics of Antitrust Law, 2012, p. 378.

Richard Whish & David Bailey, Competition Law, 7th ed. 2012, p. 319; David Romain & Ingrid Gubbay, Plaintiff Recovery Actions, 3 The European Antitrust Review 47, 51 (2011). This is not to say that private enforcement had been negligible or even inexistent. However, many actions did and do relate to other remedies than damages (for Germany see Sebastian Peyer, Private Antitrust Litigation in Germany from 2005 to 2007: Empirical Evidence, 8 J Comp L & Ec 331, esp. 348 et seqq. (2012); concerning the UK Barry Rodger, Private enforcement of competition law, the hidden story: competition litigation settlements in the United Kingdom, 2000-2005, 29 E.C.L.R. 96-116 (2008)).

On the ground-braking character of this judgment see *Alexander Italianer*, Public and private enforcement of competition law, 5th International Competition Conference 17 February 2012, Brussels.

⁴ At the time of the judgment article Article 85(1) EC.

⁵ Case C-453/99 – *Courage*, [2001] ECR I-6297, para 26.

⁶ At the time of the judgment art. 81 EC.

Case C-295/04 to C-298/04, *Manfredi*, [2006] ECR I-6619, para 61; recently confirmed in Case C-557/12, *Kone et al. v ÖBB Infrastruktur*, not yet reported, para 22.

The court's holding that "any individual" has a right to damages strikingly resembles the language in Sec. 4 of the Clayton Act⁸ providing that

"(...) any person who shall be injured in his business or property by reason of anything forbidden in the antitrust laws may sue therefor (...) and shall recover threefold the damages (...)."

However, the US courts have developed important limitations on standing, whereas the ECJ's dicta apparently exclude any outright restriction besides causality. Nonetheless, up to now the European private enforcement debate has focused almost exclusively on purchasers, neglecting the numerous other parties that may incur losses due to a sellers' cartel. This paper focuses on suppliers, a group that is affected particularly frequently.

While it is accepted that suppliers to a buying cartel are entitled to compensation, ¹⁰ it is mostly overlooked that suppliers to a sellers' cartel may suffer losses, too. ¹¹ Studying whether they have standing in different legal systems offers insights into how the boundaries of the right to damages for competition law infringements are defined. This is important given that,

Particular attention has been devoted to the passing on defence, see e.g. Commission Staff working accompanying the White Paper on Damage actions for breach of the EC antitrust rules, 2.4.2008, SEC(2008) 404, p. 62-69 and recently the European Parliament legislative resolution of 17 April 2014 on the proposal for a directive of the European Parliament and of the Council on certain rules governing actions for damages under national law for infringements of the competition law provisions of the Member States and of the European Union (COM(2013)0404 – C7-0170/2013 – 2013/0185(COD)) (Ordinary legislative procedure: first reading), Provisional edition P7_TA-PROV(2014)0451, paras 29-37, and Art. 12-16; Paolisa Nebbia, Damages Actions for the Infringement of EC Competition Law: Compensation or Deterrence?, 33 E.L.Rev. 23, 36-39 (2008); with respect to German, English and Dutch law Anthony Maton et al., The Effectiveness of National Fora for the Practice of Antitrust Litigation, 2 J of Eur Comp L & Practice, 489, 491, 500, 506 (2011); summary from eleven jurisdictions International Competition Network Cartels Working Group, Interaction of Public and Private Enforcement in Cartels Cases, Report to the ICN annual conference, Moscow, May 2007, p. 11-13; mainly with respect to German law Wolfgang Wurmnest, A New Era for Private Antitrust Litigation in Germany? A Critical Appraisal of the Modernized Law against Restraints of Competition, 6 German L. J. 1173, 1182 et seqq. (2005). For economic perspectives on the quantification of purchaser damages and the role of a passing-on defense see, e.g., Martin Hellwig, Private Damage Claims and the Passing-On Defense in Horizontal Price-Fixing Cases: An Economist's Perspective, Reprints of the Max Planck Institute for Research on Collective Goods, Bonn 2006/22 (2006); Frank Verboven & Theon Van Dijk, Cartel Damages Claims and the Passing-on Defense, J of Ind Econ, 57(3), pp. 457-491 (2009). For general recent overviews about damages estimation techniques in particular for downstream damages see Rubinfeld, in: Elhauge (supra note 1), p. 378, 379-391; Raphaël de Coninck, Concurrences 1-2010, 39-43.

See for the US *Phillip E. Areeda & Herbert Hovenkamp*, Antitrust law, Vol. IIA, 3rd. ed. 2007, ¶ 350 p. 234 et seq. (majority view of the US-courts, however with occasional aberrant judgments); for European Competition law cf. the recent proposal for a damages directive (supra note 9), COM(2013 404 final, p. 16, and generally on the illegality of buying cartels *Ariel Ezrachi*, Buying alliances and input price fixing: in search of a European enforcement standard, 8 J of Competition Law and Economics 47, 55 et seqq. (2012); *Einer Elhauge & Damien Geradin*, Global Competition Law and Economics, 2nd ed. 2011, p. 249 et seqq. (for US, EU and other nations); for German Law *Joachim Bornkamm*, in: Langen & Bunte, Kartellrecht, Vol. 1, 12th ed. 2014, § 33, paras 30, 32 et seq., 48; *Volker Emmerich*, in: Immenga & Mestmäcker, GWB, 4th. ed. 2007, § 33, para 28; for English law cf. *Mark Brealey & Nicholas Green*, Competition Litigation, 2010, para 2.02.

⁸ 15 U.S.C. § 15.

There are two exceptions primarily from an economic point of view: *Thomas Eger & Peter Weise*, Some Limits to the Private Enforcement of Antitrust Law: A Grumbler's View on Harm and Damages in Hardcore Price Cartel Cases, 3 Global Competition Litigation Review 151 (2010) analyze suppliers damages based on numerical examples of price, cost and production functions in different market situations. They point to the problem of how to deal with supplier damages in the legal framework, but offer no further discussion. Besides, *Martijn A. Han, Maarten Pieter Schinkel & Jan Tuinstra*, The Overcharge as a Measure for Antitrust Damages, Amsterdam Center for Law & Economics Working Paper No. 2008-08, provide a formal analysis of cartel damages in a vertical production chain including supplier losses.

first, private enforcement serves as a policy instrument to discourage infringements, ¹² and second, international cartels often affect a diverse menu of jurisdictions with different substantive and procedural rules from which potential claimants may be able to choose to a certain extent. ¹³

Our analysis starts from the premise that a right to damages by suppliers to a sellers' cartel requires that, first, suppliers are worse off due to the cartel in economic terms, and that, second, the respective losses, considering the economic mechanisms that produce them, are caught by the law of damages and the law on standing in the legal system at issue.

As to the first condition, section 2 explains graphically and analytically that cartel suppliers' losses are determined by a direct quantity, a price and a cost effect. Concerning the second condition, section 3 analyses from a comparative law perspective whether suppliers are entitled to claim ensuing losses as damages in the US and the EU. We argue that, whereas supplier standing is mostly denied in the US, in the EU the ECJ case law shows that the type of loss which the competition provisions are intended to prevent is broader. Importantly, the EU law guidelines on standing are complemented by national law, which will continue to be the case once the Damages Directive has entered into force. ¹⁴ We exemplify the interplay of EU-law and the law of the Member States by outlining current options for cartel supplier damage claims in England and Germany, i.e. one common law and one continental law country.

Building on our results, section 4 discusses the case for and against cartel supplier damage claims in Europe, examining whether lessons can be drawn from the US approach. We conclude that the EU institutional framework allows for more generous standing for suppliers to a sellers' cartel than the US one, which offers a further option to discourage cartels and improve compensation in the EU. To show that supplier claims are also a viable option in practice, the Annex provides an econometric approach based on residual demand estimation that allows to quantify all determinants of cartel suppliers' damages.

II. First step: When do cartel suppliers suffer losses?

1. Damages in a comparative law & economics context

The law on cartel damages cited in the introduction indicates that a right to damages has, roughly speaking, two conditions: First, the potential claimant in question, here the supplier to a sellers' cartel, must have incurred losses that would not have occurred absent the cartel. Under a (more) economic approach to competition law, ¹⁵ this requires that economic analysis identifies effects flowing from a sellers' cartel that make a cartel supplier worse off.

In a second step, it is up to legal analysis to determine whether these losses and the economic mechanisms that produce them are caught by the law of damages and the law on standing in

Art. 21(1) Damages Directive, in the form of the European Parliament's legislative resolution of 17th April 2014 (supra note 9): transposition period of 2 years.

See for the EU C-557/12, *Kone et al. v ÖBB Infrastruktur*, not yet reported, para 23; in the US, private enforcement is explicitly ascribed the purpose to deter, whereat some argue that deterrence has even priority over compensation, see *Daniel A. Crane*, in: Hylton (ed.), Antitrust Law and Economics, 2010, p. 2.

Cf. Brealey & Green (supra note 10), paras 5.02 et seq.

On this approach, see e.g. the papers in *Dieter Schmidtchen, Max Albert & Stefan Voigt* (eds.), The More Economic Approach to European Competition Law, 2007, and, in the broader context of the modernization of EU competition law *David J. Gerber*, Two Forms of Modernization in European Competition Law, 31 Fordham International Law J 1235 (2007).

the legal system at issue. It should be noted that, in case of an international cartel, claimants may often be able to engage in forum shopping to a certain extent and thereby choose from the affected countries' different substantive and procedural rules governing actions for damages: ¹⁶ In Europe, the *Brussels I* Regulation ¹⁷ – according to a widely shared, though controversial view – usually offers claimants alternative courts of jurisdiction in several Member States. ¹⁸ Building on that, the *Rome II* Regulation ¹⁹ roughly speaking allows plaintiffs to base their claims against all cartel members on the law of the member state they file the action in. ²⁰ This legislation has opened up a kind of competition between national fora, the decisive criterion being which offers the best prospects to claimants. ²¹ In case of transatlantic cartels, claimants may furthermore decide to sue in the US. ²² It is thus very important to compare and evaluate different approaches to standing of "non-standard" cartel victims, of which cartel suppliers are practically most relevant.

2. Graphical analysis

A competition law infringement can be expected to cause, as the US Supreme Court has put it, ripples of harm to flow through the economy, ²³ especially if it occurs in a vertical

Brealey & Green (supra note 10), paras 5.02 et seq.; Alison Jones & Brenda Sufrin, EC Competition Law, 4th ed. 2011, p. 1219.

Council Regulation (EC) No. 44/2001 on jurisdiction and the recognition and enforcement of judgments in civil and commercial matters ("Brussels I"), OJ [2001] L 12/1.

Regulation (EC) No 864/2007 of the European Parliament and of the Council of 11 July 2007 on the law applicable to non-contractual obligations (Rome II), OJ [2007] L 199/40.

See *Neumann*, Klagewelle: Kartell-Geschädigte suchen das beste Gericht in Europa, 14 (No. 12) Juve 87 (2011); *Whish & Bailey* (supra note 2), p. 308.

See Whish & Bailey (supra note 2), p. 308; Till Schreiber, Praxisbericht Private Durchsetzung von kartellrechtlichen Schadensersatzansprüchen, KSzW 01.2011, 37, 39. First, a company can generally be sued in the member state where it is domiciled (Art. 2 I, Art. 60 I Brussels I Regulation). Second, a cartel member can be sued in the place where the harmful event occurred (Art. 5 III 3 Brussels I Regulation), i.e. either where the event which gave rise to the harm occurred, the courts of the state of this place having jurisdiction to award damages for all the harm caused, or where the harm arose, the courts of that state having jurisdiction only in respect of the damage caused in that state (Case C-68/09, Shevill et al. v. Press Alliance SA, [1995] ECR I-415, 462 para 33). Third, if cartel members are domiciled in different EU-countries, Article 6 I Brussels I Regulation allows to sue all of them in the courts of the state where (at least) one cartel member is domiciled, provided that all claims are so closely connected that it is reasonable to hear and determine them together - which is often considered to be the case with respect to cartel damages, Maton et al. (supra note 9), 489; Provimi Limited v. Aventis Animal Nutrition SA and Others [2003] E.C.C. 29, p. 353, para. 45-47; Cooper Tire & Rubber Company and Others v. Shell Chemicals UK Limited and Others [2009] EWHC 2609 (Comm), para. 34 et seqq., especially para. 64; confirmed in Cooper Tire Rubber & Rubber Company and Others v. Dow Deutschland Inc and Others [2010] EWCA Civ864 para. 44. The details are however in dispute, see further Jürgen Basedow & Christian Heinze, in: Bechtold & Jickeli et al., Recht, Ordnung und Wettbewerb, 2011, p. 63, 69 et seq.; Tang, 34 E.L. Rev. 80 (2009).

Art. 6 III lit. b) of the Rome II Regulation under certain conditions allows a plaintiff who concentrates his actions against all cartel members in one court pursuant to Art. 6 paragraph 1 of the Brussels I Regulation (see supra note 18) to base all his claims on the law of the member state where he files the action (*lex fori*). Again, the details are unresolved; see further *Brealey & Green* (supra note 10), paras 6.08 et seq., 6.14 et seqq.; *Peter Mankowski*, Der europäische Gerichtsstand der Streitgenossenschaft aus Art. 6 Nr. 1 EuGVVO bei Schadensersatzklagen bei Kartelldelikten, WuW 2012, 947 et seqq.

Claims for damages can be brought in the USA insofar as the cartel had effects there which were more than remote or indirect in nature, see briefly *Whish & Bailey* (supra note 2), p. 309; for in depth analyses *Max Huffman*, A Standing Framework For Private. Extraterritorial Antitrust Enforcement, 60 SMU Law Review 103 (2007); *John M. Connor & Darren Bush*, How to Block Cartel Formation and Price Fixing: Using Extraterritorial Application of the Antitrust Laws as a Deterrence Mechanism, 112 Penn State Law Rev. 813 (2007-2008).

Associated General Contractors v. California State Council of Carpenters, 459 U.S. 519, 534, 103 SCt. 897, 907.

production chain. A cartel in one layer produces numerous effects in the layers up- and downstream. Direct purchasers pay higher input prices (overcharge) and, by consequence, generally lower their demand. Hence, the cartel members have to balance the positive effect on their profits from a higher selling price with the negative effect from a lower sales volume. This prompts them to reduce their production and – correspondingly – their input demand. As a consequence, direct suppliers to a sellers' cartel sell less. The input reductions percolate through the upstream layers, so that the sales of indirect cartel suppliers fall as well.

To illustrate the determinants of supplier damages, consider a monopolist who produces a product with increasing marginal costs MC(x) and sells it to a number of downstream firms. For simplicity, let the monopolist's selling price equal the downstream firms' input costs²⁶ (Figure 1).

At the outset, the firms downstream the monopoly layer compete. The monopolist confronts the downward sloping linear inverse demand function $p(x)^*$ and the marginal revenue function $MR(x)^*$. Maximising his profits, he sells in equilibrium quantity x^* at price p^* .

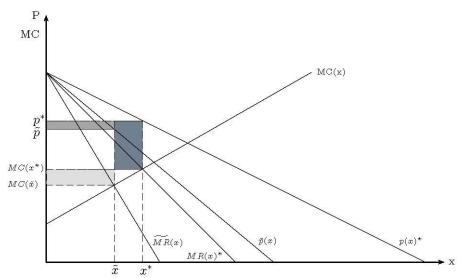


Figure 1: Damages suffered by a direct cartel supplier²⁷

If the monopolist's customers start to collude on their product market, i.e. jointly maximise their profits, they charge a higher price and sell less of their output to the downstream buyers.²⁸ The supplier monopolist faces an ensuing fall in demand, turning his inverse demand curve inward and yielding the function $\tilde{p}(x)$.²⁹ The monopolist's new optimum, \tilde{x}

This scenario has to be distinguished from a – comparably rare – buyers' cartel in which cartel members use their market power on the demand side to force down the input price.

This figure is similar to *Han*, *Schinkel & Tuinstra* (supra note 11), p. 25, who illustrate the case of an "undercharge" in a model with numerous layers up- and downstream the cartel stage..

Downstream the cartel, there may be only one layer of cartel purchasers or several layers with direct and indirect purchasers. We do not specify the situation downstream the cartel but concentrate on the damages suffered by a direct cartel supplier.

Besides, a cartel might also influence neighbouring layers, e.g. through umbrella effects.

This abstracts from additional costs for other inputs to process the product, such as electricity or labour. This simplifies the analysis, but does not change the fundamental results.

Note that the inverse demand function does not shift, but turns inwards in case of a sellers' cartel, because we assume that the cartel members' maximum willingness to pay for inputs does not change due to collusion. Thus, graphically, the intercept of the inverse demand function remains the same. By contrast, a buyers' cartel would reduce its participants' willingness to pay and thereby cause an inward shift of the inverse demand curve.

and \tilde{p} , is characterized by lower demand, a lower selling price and lower marginal cost. Accordingly, his losses are determined by three effects:

- (1) A direct quantity effect $(x^* \tilde{x})(p^* MC(x^*))$ due to the cartel members' lower input demand, illustrated by the darkly shaded rectangle between x_1 and x_2 . The effect equals the difference between the supplier's sales volumes under downstream competition and collusion, multiplied by his price-cost margin under downstream competition. The direct quantity effect is generally positive and accounts for the main part of the supplier's losses.
- (2) A price effect $(p^* \tilde{p})\tilde{x}$, graphically illustrated by the greyly shaded rectangle between p_1 and p_2 . It equals the difference of the monopolist's output price under downstream competition and collusion, multiplied by the quantity sold to the downstream cartel members. In the simplified setting above, the price effect is also positive. Generally, depending on the circumstances, it might also be negative or zero.³⁰
- (3) A cost effect $(MC(x^*) MC(\tilde{x}))\tilde{x}$ as a result of the supplier's lower production costs, illustrated by the lightly shaded rectangle between $MC(x_1)$ and $MC(x_2)$. The cost effect consists of the difference between the supplier's marginal costs when producing the output x_1 under downstream competition and x_2 under collusion, multiplied by the actual sales volume. In our example with increasing marginal costs, the effect is positive. Depending on the cost function, the effect may also be negative or zero.³¹

In total, the damages of a direct cartel supplier are

$$D = [(x^* - \tilde{x})(p^* - MC(x^*))] + [(p^* - \tilde{p})\tilde{x}] - [(MC(x^*) - MC(\tilde{x}))\tilde{x}].$$

In the model above, the cost reduction due to lower production outweighs the lower selling price ("undercharge") and counteracts the direct effect from a lower sales volume. It would thus be inappropriate and overstate the supplier's harm to measure damages by looking only at the direct quantity effect. It is worth noting, however, that if marginal costs are constant, price and cost effects vanish, and only a direct quantity effect occurs.³²

3. General formal framework

While the example of a supplier monopolist allows for a straightforward graphical illustration, the general case with several firms on each layer is practically more relevant. The effects introduced above also exist in this scenario. To illustrate, consider a vertical production chain comprising two layers upstream the cartel, which all have a one-to-one input-output-relation. On the top layer, m identical firms (indirect cartel suppliers) produce a non-substitutable good with constant marginal costs c. They sell it at a unit price q to n identical firms in the second layer (direct cartel suppliers). The n firms process the good and sell it at unit price p to identical firms in the third layer. Abstracting from additional costs, the selling price q of the m first layer firms equals the marginal costs of the n second layer firms. Total industry output is given as

$$X = mx_{j1} = nx_{i2},$$

See Han, Schinkel & Tuinstra (supra note 11), p. 7.

Assuming constant marginal costs, the cost effect would completely vanish. In case of increasing economies of scale, the effect could be negative, then increasing the overall damage.

³² For a formal prove see *Han, Schinkel & Tuinstra* (supra note 11).

where x_{i2} and x_{j1} are quantities of a representative firm i and j on the second and first layer, respectively. Total output corresponds to the demand of the firms at the third layer, who are assumed to initially compete and subsequently collude.³³ The upstream selling prices are given as q(X) and p(q(X)): The output price at the second layer p(q(X)) depends on input costs q(X), which depend on overall quantity X.

Let the equilibrium values under competition be

$$X^* = \sum_{i=1}^n x_{i2}^* = \sum_{i=1}^m x_{j1}^*, \quad q^* = q(X^*), \quad p^* = p(q(X^*)),$$

and under collusion

$$\tilde{X} = \sum_{i=1}^{n} \tilde{x}_{i2} = \sum_{i=1}^{m} \tilde{x}_{j1}, \qquad \tilde{q} = \tilde{q}(\tilde{X}), \qquad \tilde{p} = \tilde{p}(q(\tilde{X})).$$

For simplicity, in what follows we introduce p^* and q^* as shortcuts for $p(q(X^*))$ and $q(X^*)$ and drop the arguments of the equilibrium values.

The losses two representative firms j and i in the first and the second layer incur because of the downstream sellers' cartel equal the difference between their profits under competition and collusion. The respective profits of a representative direct cartel supplier i amount to

$$\pi_{i2}^* = (p^* - q^*)x_{i2}^*$$
 and $\tilde{\pi}_{i2} = (\tilde{p} - \tilde{q})\tilde{x}_{i2}$

Subtracting $\widetilde{\pi}_{i2}$ from π^*_{i2} and rearranging parameters yields his lost profits:

$$\Delta \pi_{i2} = \left[\left(x_{i2}^* - \tilde{x}_{i2} \right) (p^* - q^*) \right] + \tilde{x}_{i2} (p^* - \tilde{p}) - \tilde{x}_{i2} (q^* - \tilde{q}).$$

Likewise, the profit of a representative indirect cartel supplier j before and after collusion is

$$\pi_{i1}^* = (q^* - c)x_{i1}^*$$
 and $\tilde{\pi}_{i1} = (\tilde{q} - c)\tilde{x}_{i1}$,

yielding cartel induced losses of

$$\Delta \pi_{j1} = \left[(x_{j1}^* - \tilde{x}_{j1})(q^* - c) \right] + \tilde{x}_{j1}(q^* - \tilde{q}).$$

Table 1 summarizes supplier damages and decomposes them into the quantity-, price- and cost effects described above:

Table 1: Decomposition of damages

Direct Supplier	$\Delta \pi_{i2} = \left[\left(x_{i2}^* - \tilde{x}_{i2} \right) (p^* - q^*) \right] + \tilde{x}_{i2} (p^* - \tilde{p}) - \tilde{x}_{i2} (q^* - \tilde{q})$
Quantity effect	$(x_{i2}^* - \tilde{x}_{i2})(p^* - q^*)$
Price effect	$ \tilde{x}_{i2}(p^*-\tilde{p}) $
Cost effect	$\widetilde{x}_{i2}(q^*-\widetilde{q})$
Indirect Supplier	$\Delta \pi_{j1} = \left[\left(x_{j1}^* - \tilde{x}_{j1} \right) (q^* - c) \right] + \tilde{x}_{j1} (q^* - \tilde{q})$
Quantity effect	$\left(x_{j1}^* - \widetilde{x}_{j1}\right)(q^* - c)$
Price effect	$\widetilde{x}_{j1}(q^*-\widetilde{q})$
Cost effect] - [^]

We assume that all firms either collude or compete. Firms are therefore assumed not only to be identical with respect to production costs and other firm characteristics, but also to take concurrent decisions about whether to form a cartel.

Likewise, in what follows we use the shortcuts \tilde{p} and \tilde{q} instead of $\tilde{p}\left(q(\tilde{X})\right)$ and $\tilde{q}(\tilde{X})$.

Compared to the graphical illustration, three aspects of this general case should be noted:

First, as in the scenario of a supplier monopolist, lower input demand by downstream cartel members may cause either higher upstream prices, lower prices or no price change at all. However, irrespective of the model specific assumptions, the most obvious strategic reaction of direct and indirect suppliers to decreasing demand is to lower their own output prices in order to mitigate and counteract the loss in demand.

Second, assuming that m = n and $\tilde{x}_{i2} = \tilde{x}_{j1}$, the price effect of the indirect supplier and the cost effect of the direct supplier exactly match. The direct supplier loses from lower sales but takes advantage of lower input costs. The indirect cartel supplier does not face a cost effect if marginal costs are constant at the top layer. Therefore, he or she is more vulnerable to the direct quantity effect.

Third, the number of firms on each upstream layer strongly influences suppliers' damages. Assuming *Cournot* competition, the direct quantity effect sustained by one cartel supplier is decreasing in the number of symmetric cartel suppliers in the market. As a result, the follow-on effects on prices and costs are also decreasing in the level of competition on the upstream layers.

III. Second step: Can cartel suppliers claim their losses as damages?

Having identified the economic determinants for suppliers' losses due to a downstream sellers' cartel, the crucial question is whether these losses and their underlying effects are caught by the law of damages and the law on standing. Naturally, different legal systems, depending on the institutional framework, may answer this question in different ways.

1. US federal law

a) General standard for standing

The wording of Sec. 4 Clayton Act cited in the introduction seems to encompass every harm, ³⁵ but is only superficially clear. ³⁶ Actually, the US courts have declined to interpret the statute literally. ³⁷ The Supreme Court argued in *Associated General Contractors*, the leading case on antitrust standing, ³⁸ that the legislative history of Sec. 4 of the Clayton Act requires construing the provision in the light of its common-law background and the contemporary legal context in which Congress acted. ³⁹ The court concluded that – contrary to the wording – the remedy cannot encompass every harm which can be traced to alleged wrongdoing. Over time, a two-pronged approach has developed to limit the universe of potential plaintiffs: ⁴⁰

First, the plaintiff must have suffered "antitrust injury", defined as "injury of the type the antitrust laws were intended to prevent and that flows from that which makes the defendants'

³⁵ See Associated General Contractors (supra note 23), 459 U.S. 519, 529.

³⁶ Phillip E. Areeda & Louis Kaplow, Antitrust Analysis, 6th. ed. 2004, ¶ 144 p. 60.

³⁷ Blue Shield of Virginia et al., v. McCready, 457 U.S. 465, 476, 102 S.Ct. 2540. 2547; Todorov v DCH Healthcare Auth., 921 F.2d 1438, 1448 (11th Cir. 1991).

³⁸ *Todorov* (supra note 38), 921 F.2d 1438, 1448 (11th Cir. 1991); *Louis Altman & Malla Pollack*, in: Callmann on Unfair Competition, Trademarks and Monopolies, 4th ed., Database updated December 2012, § 4:49.

³⁹ Associated General Contractors (supra note 23), 459 U.S. 519, 531-533.

⁴⁰ *Todorov* (supra note 38), 921 F.2d 1438, 1449 (11th Cir. 1991); *Areeda & Kaplow* (supra note 36), ¶ 144-146.

acts unlawful." This is mainly to inhibit suits that would pervert the antitrust laws into an avenue to dampen competition. 42

Second, the plaintiff must have standing,⁴³ that is, he must be considered an efficient enforcer of the antitrust laws.⁴⁴ This requires some analysis of the directness or remoteness of the plaintiff's injury. The Supreme Court has declined to derive a "black-letter rule" dictating the result in every case, but, building on previous case law, has identified relevant factors. In favour of standing, the court listed a causal connection between the antitrust violation and the harm and defendant's intent to cause the harm.⁴⁵ The factors militating against standing include:

- The plaintiff being neither a consumer nor a competitor in the market in which trade was restrained.
- indirectness of injury, especially if there are other persons (more) directly affected and better suited to vindicate the public interest in antitrust enforcement,
- tenuous and speculative character of damages asserted and
- potential of duplicative recovery and complex apportionment of damages due to conflicting claims by plaintiffs at different levels of the distribution chain. 46

b) Assessment of suppliers

Pursuant to the case law sketched above, suppliers have standing if they can prove proximately caused injury-in-fact that can be measured reasonably and constitutes antitrust injury. The Supreme Court's "multiple factor test" gives the courts wide discretion to evaluate these criteria. As a consequence, no consistent body of case law on supplier

It is unclear whether antitrust injury is a necessary component of standing or a separate requirement (see William H. Page, The Scope of Liability for Antitrust Violations, 37 Stanford L. Rev. 1445, 1483 et seq. (1985); the former interpretation is advocated in Todorov (supra note 38), 921 F.2d 1438, 1451 Fn. 20 (11th Cir. 1991) and strongly suggested by Cargill v Monfort, 479 U.S. 104, 110 Fn. 5, 107 S.Ct. 484, 489. By contrast, In re compact disc minimum advertised price 456 F. Supp. 2d 131, 146 (D.Me. 2006)) conceives antitrust injury as a separate and not indispensable factor for standing. The question seems to be of little practical importance, if any, as antitrust injury and standing, despite the common goal, involve different questions, see Areeda & Kaplow (supra note 36), ¶ 146 p. 68; Page, opt cit., p. 1484.

Todorov (supra note 38), 921 F.2d 1438, 1449, 1450, 1452 (11th Cir. 1991); Page (supra note 43), p. 1483, 1485; Eric L. Cramer & Daniel C. Simons, in: Foer & Cuneo, The international handbook on private enforcement of competition law, 2011, p. 83, 90; similarly Cargill v Monfort, 479 U.S. 104, 110 n. 5, 107 S.Ct 484, 489 n. 5 ("whether the petitioner was a proper plaintiff under § 4.") and Crane, in: Hylton (supra note 12), p. 12 et seq.

Associated General Contractors (supra note 23), 459 U.S. 519, 536 et seq.; Exhibitors Service, Inc. v. American Multi Cinema, Inc., 788 F.2d 574, 578 (9th Cir. 1986). Concerning intent, see however also Blue Shield of Virginia et al. (supra note 37), 457 U.S. 465, 479, stating that the "availability of the § 4 remedy (...) is not a question of the specific intent of the conspirators", but then noting that the plaintiff suffered from the "very means by which it is alleged that Blue Shield sought to achieve its illegal ends. The harm to McCready and her class was clearly foreseeable; indeed, it was a necessary step in effecting the ends of the alleged illegal conspiracy."

⁴⁶ Associated General Contractors (supra note 23), 459 U.S. 519, 538-545; Cargill v Monfort, 479 U.S. 104, 112 Fn. 6, 107 S.Ct. 484, 490 Fn. 6; Exhibitors Service, Inc. (supra note 45), 788 F.2d 574, 578 (9th Cir. 1986); Serpa Corp. v. McWane, 199 F.3d 6, 10 (1st Cir. 1999); on this case law Areeda & Kaplow (supra note 36), ¶ 145, p. 65 et seq.; 54 Am. Jur. 2d Monopolies and Restraints of Trade (updated Feb. 2013) § 384; Cramer & Simons, in: Foer & Cuneo (supra note 44), p. 89.

⁴⁸ *Clifford A. Jones*, Private Enforcement of Antitrust law, 1999, p. 167. The main reason is that the Supreme Court has merely listed the relevant factors without explaining how they are to be weighted or whether some are more important than others.

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⁴¹ Brunswick Corp. v. Pueblo-O-Mat, Inc., 429 U.S. 477, 489, 97 S.Ct. 690, 697 (1977).

⁴² See further *Areeda & Kaplow* (supra note 36), ¶ 146, p. 67-69.

^{**} *Areeda & Hovenkamp* (supra note 10), ¶ 350 p. 234.

standing has evolved. The question is primarily relevant for direct cartel suppliers. As to indirect suppliers, the *Illinois Brick* rule⁴⁹ bars claims for damages based on the federal antitrust laws.⁵⁰

In practice, the discussion about supplier standing mainly centres on employees and suppliers attacking mergers of their customers. While the former group is occasionally treated as a normal application of supplier standing,⁵¹ it has a weaker case. The reason is that the Clayton Act requires injury to "business or property". A loss of employment or reduction in wages is often considered not to be such injury⁵² unless the plaintiff's job itself is a commercial venture or enterprise⁵³ or the conspiracy is directed at the employment market.⁵⁴ Therefore, employees, though suppliers of labour, are a special case.⁵⁵

Concerning "ordinary" suppliers seeking redress for losses from an antitrust law violation by^{56} their customers directed at downstream purchasers, most courts as well as leading commentators now deny a right to claim damages, albeit for different reasons:

Some courts deny standing because the plaintiff and the conspirators do not compete in the market in which trade was restrained. In such a case, the harm is considered indirect and derivative⁵⁷ and more direct victims the preferred plaintiffs.⁵⁸ *Page* concedes that cartel

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⁴⁹ In US federal antitrust law, the passing-on defence is not available and direct purchasers can recover the whole overcharge due to *Hanover Shoe & Co v. United Shoe Machinery Corporation*, 392 US 481 (1968) and *Illinois Brick v. Illinois*, 431 US 720 (1977).

⁵⁰ Cf. *Zinser v. Continental Grain Co.* 660 F.2d 754, 760 et seq. (1981), cert. denied, 455 U.S. 941 (1982). However a number of states have effectively repealed Illinois Brick under their own antitrust statutes and in principle allow indirectly affected parties to sue, see *Crane*, in: Hylton (supra note 12), p. 13 et seq.; *Andrea Hamilton & David Henry*, Bricks, Beer and Shoes: Indirect Purchaser Standing in the European Union and the United States, 5 Global Comp Litigation Rev. 111, 114 (2012). In *California v. ARC America*, 490 US 93 (1989), the US Supreme Court held that Section 4 of the Clayton Act does not pre-empt such state laws.

See e.g. *Page* (supra note 43), p. 1467 et seq., 1492 et seq. (1985); *Areeda & Hovenkamp* (supra note 10), ¶ 350c p. 236.

E.g. Reibert v. Atlantic Richfield Co., 471 F. 2d 727, 730-732 (10th Cir.) (denying both injury to "business or property" and proximate injury), cert. denied, 411 U.S. 938 (1973); Areeda & Kaplow (supra note 36), ¶ 145, p. 63. Nevertheless, standing has occasionally been granted to employees without discussing this aspect, see e.g. Wilson v. Ringsby Truck Lines, Inc., 320 F Supp. 699 (D. Colo 1970) (truck drivers suffering reduced wages and dismissal because of employers alleged horizontal conspiracy); standing denied: Contreras v. Gower Shipper Veg. Ass'n of Cent. Cal., 484 F.2d 1346 (9th Cir. 1973) (employees of alleged price fixers were denied standing obviously because outside target area of the violation), cert. denied, 415 U.S. 932 (1974).

Reibert (supra note 52), 471 F. 2d 727, 730. This explains Vandervelde v. Put & Call Brokers & Dealers Assn., 344 F. Supp. 118, 153-154 (S.D.N.Y. 1972) (sole owner whose salary was cash draw that depended on the financial situation of the firm); Dailey v. Quality School Plan, Inc., 380 F.2d 484 (5th Cir 1967) (employee of merger partner who was a salesman with his own territory, employed based on annually renewed contracts and receiving a salary that was on average more than half performance-related); Roseland v. Phister Mfg. Co, 125 F. 2d 417 (7th Cir. 1942) (dismissed employee had been general sales agent with performance-related remuneration).

For a comprehensive overview of the respective case law 54 Am. Jur. 2d Monopolies and Restraints of Trade (updated Feb. 2013) § 401.

⁵⁵ Cf. the treatment by e.g. *Areeda & Kaplow* (supra note 36), ¶ 145(c), p. 63; 54 Am. Jur. 2d Monopolies and Restraints of Trade (updated Feb. 2013) § 400-403; *Cramer & Simons*, in: Foer & Cuneo (supra note 44), p. 108 et seq.

This is to be distinguished from suppliers seeking redress for antitrust law violations directed *against* their customers. Such claims are mostly considered too remote from the antitrust violation and therefore denied standing (see *Volasco Products Co. v. Lloyd A. Fry Roofing Co.* 308 F.2d 383, 392, 395 (6th Cir. 1962); 54 Am. Jur. 2d Monopolies and Restraints of Trade (updated Feb. 2013) § 410) unless the plaintiffs are competitors of the alleged violator (*Amarel v. Connel*, 102 F.3d 1494, 1510 (9th Cir. 1996); *Areeda & Hovenkamp* (supra note 10), ¶ 350d p. 240-242).

Exhibitors Service, Inc. (supra note 45), 788 F.2d 574, 579 (9th Cir. 1986).

suppliers suffer antitrust injury, since the greater the output restriction, the greater the loss of sales by suppliers.⁵⁹ He denies standing, however, arguing that these harms resulted from the violator's attempt to minimize costs and were entirely offset by a cost saving to the defendant. They were thus caused by a neutral aspect of the violation rather than by the welfare loss to consumers, so that classifying them as damages would cause overdeterrence. ⁶⁰ This reasoning is subject to two objections: First, it raises the question how to justify the departure from ordinary law of damages, where a tortfeasor must indemnify (causal and proximate⁶¹) damages irrespective of whether they are mere welfare transfers. ⁶² Second, it is imprecise: In the terminology of part II above, only the direct quantity effect and the price effect are pure welfare transfers from suppliers to cartel members, whereas the cost effect, if negative, ⁶³ may imply welfare losses to society that do not translate into higher prices for cartel customers.⁶⁴ A more convincing variant of the argument denies antitrust injury. Areeda & Hovenkamp discuss the example of a merger which prompts the partners to increase prices, to reduce output and correspondingly input demand. They argue that, although suppliers suffer a loss from reduced sales due to the reduction in defendant's output that is the reason for condemning the merger, this effect was "a by-product of the illegal merger rather than the rationale for making it illegal". Such a loss fell short of being antitrust injury, as the injury occurred in another market than the lessening of competition that makes a defendant's

Genetic Systems Corp. v. Abbott Laboratories, 691 F.Supp. 407, 420 et seq. (D.D.C. 1988); Korshin v. Benedictine Hos., 34 F. Supp 2d. 133, 140 (N.D.N.Y. 1999); SAS of Puerto Rico, inc., v. Puerto Rico Telephone Company, 48 F.3d 39, 44.

⁵⁹ *Page* (supra note 43), p. 1467 et seq., 1493.

⁶⁰ *Page* (supra note 43), p. 1493.

In the US, losses are generally capable of being compensated as damages in the legal sense only if two conditions are fulfilled: First, the plaintiff must prove causation in fact, i.e. that his losses did not have occurred but for the defendant's illegal conduct. Second, especially in negligence cases, the defendant's conduct must have been a proximate cause to the plaintiff's harm, i.e. the harm must have been the general kind that was unreasonably risked by the defendant. In this respect, the most general and pervasive approach holds that a negligent defendant is liable for all the general kinds of harms he foreseeably risked by his negligent conduct and to the class of persons he put at risk by that conduct, see further *Dan B. Dobbs & Paul T. Hayden & Ellen M. Bublick*, The Law of Torts, 2nd ed., § 13 (compensation), § 125 (factual and proximate cause), § 186 (but-for test), § 198 (proximate cause). This approach is very similar to English law. English law basically comprises a but-for test of causation and a remoteness test, that asks whether the damages claimed were a foreseeable consequence of the defendant's illegal conduct, which is however not required for deliberate torts, see further *Andrew Tettenborn & David Wilby*, The law of damages, 2nd ed. 2010, p. 170 et seqq. (remoteness), p. 183 et seqq. (causation).

Otherwise, the victim of a theft should not be able to claim damages if the thief's marginal utility of higher wealth is greater than the victim's. The fact that certain consequences of an illegal act are mere welfare transfers seems therefore insufficient to deny a right to damages. One might argue that a deviation can be justified by the goal of US antitrust law being to increase economic efficiency. But this seems doubtful for two reasons. First, it is controversial in US literature whether the US antitrust laws were indeed enacted to increase welfare, see *Charles Rowley & Anne Rathbone*, Political Economy of Antitrust, in: *Neumann & Weigand*, The international handbook of competition, 2004, p. 173, 194–199; *William F. Shughart*, Regulation and Antitrust, in: *Rowley & Schneider*, Readings in Public Choice and Constitutional Political Economy, 2008, p. 447, 469–471, *William F. Shughart*, Antitrust policy & interest group politics, 1990, p. 11–22; *Charles D. Delorme*, & W. Scott Frame et al., Empirical Evidence on a Special-Interest-Group Perspective to Antitrust, 92 Public Choice, 317 (1997). Second, and more important, the efficiency goal as such does not militate against granting damages for welfare transfers. Significantly, consumers may claim the whole overcharge as damages, though the overcharge is a mere welfare transfer.

⁶³ See footnote 31.

Only in the – rather theoretical – scenario of perfect competition in the market on which the cartel members buy their inputs are damages of cartel suppliers entirely due to cost savings by the cartel members, see *Eger & Weise* (supra note 11), p. 154.

conduct illegal.⁶⁵ In view of the foregoing, it is sometimes said that competitors and consumers in the relevant market are presumptively the proper plaintiffs to allege antitrust injury.⁶⁶

2. European Union

a) EU law guidelines

aa) Case law

As noted in the introduction, according to the ECJ case law "any individual" must be able to claim compensation for harm causally related to an infringement of EU competition law. This has led to considerable doubts whether traditional restrictions on standing in the laws of the Member States are still tenable.⁶⁷ Several reform initiatives to facilitate actions for damages have followed,⁶⁸ which, as a result, are becoming more common in Europe, too.⁶⁹

Currently, in the absence of community rules governing the matter, such claims are regulated by the Member States subject to guiding principles of European law. According to the ECJ, it is for the domestic legal system of each Member State, subject to the principles of equivalence⁷⁰ and effectiveness,⁷¹ inter alia to

- designate the courts and tribunals having jurisdiction and to lay down the detailed procedural rules governing actions for safeguarding Community law rights, 72

Areeda & Hovenkamp (supra note 10), ¶ 350 p. 237 et seq. With respect to an alleged horizontal conspiracy In re compact disc minimum advertised price 456 F.Supp. 2d 131, 146 et seq. (D.Me. 2006).

⁶⁶ Serpa Corp. (supra note 46), 199 F.3d 6, 10 (1st Cir. 1999).

Opinion of Advocate General Kokott, Case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, even argued in paras 28 et seqq. that the objective of uniform and effective enforcement of the competition rules of the European internal market requires to consider it directly a matter of EU law whether cartel members can be held civilly liable at all for a certain kind of loss and by whom they can be sued. The ECJ's subsequent judgment did not make such a principled statement.

On the latest reform package at European level see *European Commission*, Antitrust: Commission proposes legislation to facilitate damage claims by victims of antitrust violations, IP/13/525; FAQ: Commission proposes legislation to facilitate damage claims by victims of antitrust violations, MEMO/13/531. The package comprises i. a. a directive of the European Parliament and the Council on certain rules governing actions for damages under national law for infringements of the competition law provisions of the Member States and of the EU (see above notes 9, 14); on the directive's provisions on standing see below III.2.a)cc) p. 17. For a critical review of earlier Commission's initiatives Jindrich Kloub, White Paper on Damages Actions for Breach of the EC Antitrust Rules: Plea for a More Holistic Approach to Antitrust Enforcement, 5 ECJ 515, especially 516-518, 532-545 (2009). In the UK, the Department of Business, Innovation & Skills (BIS) has proposed important private enforcement reforms as part of the Draft Consumer Rights Bill of June 2013, see further BIS, Private Actions in competition law: A consultation on options for reform – government response, January 2013; Stephen Wisking, Kim Dietzel & Molly Herron, Competition Law Class Actions, Comp Law Insight 19 March 2013, 3-5. In Germany, the 8th amendment of the German Act against restraints of Competition (GWB), in force since July 30th, 2013, has expanded private enforcement by consumer associations (§ 33 II new version); other important changes to foster private enforcement were implemented with the 7th amendment, see Wolfgang Wurmnest, A New Era for Private Antitrust Litigation in Germany? A Critical Appraisal of the Modernized Law against Restraints of Competition, 6 German L.J. 1173-1190 (2005). The developments in the EU have also prompted a reform initiative in Swiss, see Andreas Heinemann, Strukturberichterstattung Nr. 44/4, Evaluation Kartellgesetz, Die privatrechtliche Durchsetzung des Kartellrechts, Bern 2009.

⁶⁹ Romain & Gubbay, (supra note 2), p. 49-50; Rubinfeld, in: Elhauge (supra note 1), p. 378; Whish & Bailey (supra note 2), p. 296 fn. 10.

The national rules must not be less favourable than those governing similar domestic actions.

The rules must not render practically impossible or excessively difficult the exercise of rights conferred by Community law.

⁷² Courage (supra note 5) [2001] ECR I-6297, para 29; Case C-295/04 to C-298/04, Manfredi, [2006] ECR I-6619, para 62, 71.

- prescribe the detailed rules governing the exercise of that right, including those on the application of the concept of 'causal relationship', 73
- set the criteria for determining the extent of the damages for harm caused by an infringement of European Competition Law,⁷⁴ provided that injured persons can seek compensation for actual loss as well as loss of profit plus interest⁷⁵
- and, finally, to prescribe the limitation period for seeking compensation.⁷⁶

This case law display an inherent tension: On the one hand the apodictic demand to enable "any individual" to claim compensation, on the other hand the apparently remarkable leeway for national law. Against this background, the fundamental question which properties characterize "any person" that must be able to claim damages is not straightforward to answer. The issue is complicated by the fact that a potential claimant's right to sue depends, first, on the (minimum) conditions for liability determined by community law, i.e. the *existence* of a right to damages, and, second, the *exercise* of that right pursuant to national law subject to the principles of equivalence and effectiveness.⁷⁷

However, the ECJ's recent important judgment in the Kone case indicates that the EU law right to damages of any individual adversely affected works forcefully against any inflexible standing limitations which come on top of technical causality. The case concerned a request for a preliminary ruling under Article 267 TFEU from the Austrian Oberster Gerichtshof in an action for damages by an umbrella plaintiff, ÖBB Infrastruktur. ÖBB claimed that it had bought the cartelized product from non-cartel members at a higher price than it would have paid but for the existence of the cartel, on the ground that those third undertakings benefited from the existence of the cartel in adapting their prices to the inflated level.⁷⁸ The ECJ repeated that, while it is, in principle, for the domestic legal system of each Member State to lay down the detailed rules governing actions for damages, national legislation must ensure that European Union competition law is fully effective. The national rules must therefore, according to the ECJ, specifically take into account the objective of Article 101 TFEU, which aims to guarantee effective and undistorted competition in the internal market, and, accordingly, prices set on the basis of free competition. ⁷⁹ The ECJ went on to assert that the full effectiveness of Article 101 TFEU would be put at risk if the right of any individual to claim compensation were subjected by national law, categorically and regardless of the particular circumstances of the case, to the existence of a direct causal link, thereby excluding umbrella plaintiffs. 80 According to the ECJ, it follows that the victim of umbrella pricing may obtain compensation for the loss caused by the cartel members where it is established that the cartel at issue was, in the specific case at hand, liable to have the effect of umbrella pricing by

Manfredi (supra note 7) [2006] ECR I-6619, para 64, recently confirmed in case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, para 24.

⁷⁴ *Manfredi* (supra note 7) [2006] ECR I-6619, para 92, 98.

⁷⁵ *Manfredi* (supra note 7) [2006] ECR I-6619, para 95, 100.

⁷⁶ *Manfredi* (supra note 7) [2006] ECR I-6619, para 81.

Van Bael & Bellis, Competition Law of the European Community, 5th ed. 2010, p. 1224; in a similar vein Anneli Howard, Vivien Rose & Peter Roth, in: Bellamy & Child (eds.), European Community Law on Competition,6th. ed. 2007, para 14.111 including fn. 349, pointing to a similar duality with respect to the right to reparation of loss or damage caused to individuals by breaches of Community law attributable to a Member State, i.a. in Case C-46/93, Brasserie du Pêcheur, [1996] ECR 1029, paras 37-74, 81-90.

⁷⁸ Cf. case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, para 10.

⁷⁹ Case C-557/12, *Kone et al. v ÖBB Infrastruktur*, not yet reported, para 32.

⁸⁰ Case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, para 33.

independent third parties, and that the relevant circumstances and specific aspects could not be ignored by the cartel members.⁸¹

bb) Interpretation

The case law being only fragmentary, the views about its implications differ widely, whereat most existing comments predate the *Kone* judgment. As a starting point, many authors share the view that the ECJ's demand for "any individual" being able to claim compensation must in principle be taken literally. Therefore, at least some limitations in the laws of the Member States are considered incompatible with Community law, in particular those based on the 'protective scope' of Art. 101, 102 TFEU. As shown above, this is corroborated by the recent *Kone* case.

Moreover, also on the light of *Kone*, there is much to suggest that Community law does not permit to sweepingly refuse damages to all market participants affected indirectly via pass-on effects.⁸⁴ The Commission and some commentators even deduce from the *Manfredi* judgment that indirect purchasers must have standing to sue.⁸⁵

However, only few authors go on to conclude that all individuals harmed directly and indirectly by a competition law infringement actually have a Community law-based right to

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Case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, para 34.

Opinion of Advocate General Jacobs, Joined Cases C-264/01, C-306/01, C-354/01 and C-355/01, AOK Bundesverband, ECR 2004, I-2493, para 104; Opinion of Advocate General Kokott, Case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, para 32 ("As the formulation 'any individual' used by the Court of Justice itself shows, the obligation to provide compensation incumbent on the members of a cartel must not be interpreted narrowly."); Bojana Vrcek, in: Foer & Cuneo (supra note 44), p. 277, 283; Brealey & Green (supra note 10), para 2.02; Christian Alexander, Schadensersatz und Abschöpfung im Lauterkeits- und Kartelldeliktsrecht, 2010, p. 329, 357 et seq.; Hans P. Logemann, Der kartellrechtliche Schadensersatz, 2009, p. 107.

Assimakis Komninos, EC Private Antitrust Enforcement, p. 192 f. including fn. 315; Thomas Eilmansberger, The Relationship between Rights and Remedies in EC Law: in Search of the Missing Link, 41 CML Rev 1199, 1226 et seq. (2004); Thomas Eilmansberger, The Green Paper on Damages Actions for Breach of the EC Antitrust Rules and Beyond: Reflections on the Utility and Feasibility of Stimulating Private Enforcement Through Legislative Action, 44 CML Rev 431, 465 (2007) (in the following: Eilmansberger, The Green Paper); Jones & Sufrin (supra note 16), p. 1204 et seq., 1211; Jürgen Säcker & Jörg Jaecks, in: Münchener Kommentar Europäisches und Deutsches Wettbewerbsrecht (Kartellrecht), Vol. 1, 2007, Art. 81 EG para 890; to a large extent also André Görner, Die Anspruchsberechtigung der Marktbeteiligten nach § 33 GWB, 2007, p. 78-82, 195-203; for an overview of national courts' decisions and reforms abandoning such limitations see Howard, Rose & Roth, in: Bellamy & Child (supra note 77), para 14.112.

Jones (supra note 48), p. 195; Friedrich Wenzel Bulst, Of Arms and Armour – The European Commission's White Paper on Damages Actions for Breach of EC Antitrust Law, Bucerius Law Journal 2008, 81, 83; Bojana Vrcek, in: Foer & Cuneo (supra note 44), p. 277, 283; Opinion of Advocate General Kokott, Case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, para 32.

White Paper on Damages actions for breach of the EC antitrust rules, COM(2008) 165 final, p. 4, 7 et seq.; van Bael & Bellis (supra note 77), p. 1227; Friedrich Wenzel Bulst, Private Kartellrechtsdurchsetzung durch die Marktgegenseite - deutsche Gerichte auf Kollisionskurs zum EuGH, NJW 2004, 2201; Firat Cengiz, Antitrust Damages Actions: Lessons from American Indirect Purchasers' Litigation, 59 ICLQ 39, 52 (2010); tentatively Whish & Bailey (supra note 2), p. 301. By contrast, Thomas Lübbig, Anmerkung zum EuGH-Urteil im Fall "Manfredi" (Rs. C-295/04), EuZW 2006, 536, 537 interprets the judgment as implicitly accepting (only) the passing on defense. In any case, it should be noted that the case at hand in Manfredi concerned end-consumers in a direct contractual relationship with the cartel members, although the contract was arranged through brokers. Therefore, neither the passing-on defence nor indirect purchaser standing came into play on the merits. This is sometimes overlooked; for instance Cengiz, opt cit., at p. 52 mistakenly writes that the ECJ has faced the question of granting standing to indirect purchasers.

damages. ⁸⁶ Others stress that the ECJ has accepted certain limitations. ⁸⁷ In particular, national courts may deny a party damages to prevent unjust enrichment insofar as an infringement produced gains that offset losses claimed, ⁸⁸ and/or if that party bears significant responsibility for the distortion of competition. ⁸⁹

Taking up this case law, the majority of commentators hold the view that EU law allows to restrict the universe of potential claimants for reasons of remoteness, ⁹⁰ albeit usually without specifying this rather vague concept. In the *Kone* case, Advocate General *Kokott* did further elaborate on its delineation. She argued that the European Union law conditions applicable to the establishment of a causal link are to ensure: First, that a person who has acted unlawfully is liable only for such loss as he could reasonably have foreseen, and that, secondly, a person is liable only for loss the compensation of which is consistent with the objectives of the provision of law which he has infringed. ⁹¹ Concerning the second point, Advocate General *Kokott* examined whether awarding compensation for the losses at issue would fit in the existing system of public and private competition law enforcement in the EU and whether a damage award would be a suitable measure to correct the negative consequences of the competition law infringement. ⁹² However, the subsequent ECJ judgment only briefly mentioned the aspect of foreseeability: As to the compatibility with the enforcement system, the ECJ simply – rightly in our view – stated that the leniency programme cannot deprive individuals of the right to obtain compensation for an infringement of Article 101 TFEU. ⁹³

Apart from remoteness, other causality defences might be mounted against a competition law action for damages. Several of these are in dispute, in particular the defence that the anti-competitive behaviour is no *conditio sine qua non* if the injury would have been sustained even in the case of lawful behaviour, and the argument that the victim could have avoided or minimized the damage by taking precautionary action. ⁹⁴

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Komninos (supra note 83), p. 192 f. including fn. 315; Jones (supra note 48), p. 187 ("It is submitted that, in the EC regime, the principal limitation on who can sue for damages will be the plaintiff's evidence of causation"), 191; Bojana Vrcek, in: Foer & Cuneo (supra note 44), p. 277, 283.

Eilmansberger, The Green Paper (supra note 83), p. 461 conceives these as possible restrictions on standing; Säcker & Jaecks (supra note 83), Art. 81 EG para 890.

⁸⁸ Manfredi (supra note 7) [2006] ECR I-6619, para 94 with further references;

⁸⁹ Courage (supra note 5) [2001] ECR I-6297, para 31; Tim Ward & Kassie Smith, Competition Litigation in the UK, 2005, paras 7-034 et seqq.

See generally *Opinion of Advocate General Van Gerven*, Case C-128/92, *H. J. Banks & Co. Ltd v British Coal Corporation*, ECR 1994, I-1209, para 52; *Opinion of Advocate General Kokott*, Case C-557/12, *Kone et al. v ÖBB Infrastruktur*, not yet reported, para 33 et seqq.; *Eilmansberger*, The Green Paper (supra note 83), p. 468 et seq.; *Howard, Rose & Roth*, in: Bellamy/Child (supra note 77), para 14.113; *Bulst*, (supra note 84), p. 83; with respect to standing of indirect purchasers *Commission Staff Working Paper* accompanying the White Paper on Damages actions for breach of the EC antitrust rules, para. 37; *Paul Fort*, in: Mäger, Kartellrecht, 11. Teil, para 44; *Friedrich Wenzel Bulst*, Schadensersatzansprüche der Marktgegenseite im EG-Kartellrecht, 2006, p. 248 et seqq.; *Görner* (supra note 83), p. 81 (if the causal relationship between the infringement and damages is merely accidental in nature). But see also *Ward & Smith* (supra note 89), para 7-043, who consider the applicability of the remoteness test to be unclear.

Opinion of Advocate General Kokott, Case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, paras 40 et seqq.

Opinion of Advocate General Kokott, Case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, paras 40 et seqq.

⁹³ Case C-557/12, Kone et al. v ÖBB Infrastruktur, not yet reported, paras 34, 36.

Eilmansberger, The Green Paper (supra note 83), p. 468 et seq. advocates forbidding or severely restricting both defences as they impaired legal certainty and allocative efficiency. With respect to the second defence, his view seems however untenable as the ECJ has held in cases of state liability that "it is a general principle common to the legal systems of the Member States that the injured party must show reasonable diligence in

The specific question whether or when direct and/or indirect cartel suppliers have an EU law based right to damages is rarely dealt with. ⁹⁵ Generally, it seems accepted that damage claims may arise if a supplier has to sell his products under less favourable conditions because of a cartel on the demand side, ⁹⁶ but usually authors do not distinguish buyers' and sellers' cartels. There are three notable exceptions: First, the *Ashurst study* briefly acknowledges damages of suppliers to a sellers' cartel, but points towards complications with respect to their estimation and the restrictive approach in the US. ⁹⁷ Second, the study for the Commission by *Oxera & Komninos et al.* on quantifying of antitrust damages, starting from the ECJ case law on private damage actions, succinctly lists suppliers as eligible claimants. ⁹⁸ Third, an article by *Eger & Weise* ⁹⁹ analyzes suppliers damages based on numerical examples in different market situations. The authors point to the problem of how to deal with these damages in the European legal framework, indicating that it might be possible to award damages, but do not discuss the issue further.

It can thus be said that, while most commentators overlook damages of suppliers to sellers' cartels, the emerging view is that the concept of "any individual" entitled to damages encompasses suppliers, though proof is considered difficult. This is confirmed by the *Commission Staff Working Document* accompanying the Communication on quantifying harm in actions for damages based on breaches of Article 101 or 102 TFEU. It mentions in fn. 26 that other persons "such as suppliers of the infringers (...) may also be harmed by infringements leading to price overcharges". Notwithstanding, the EU law standard concerning standing of cartel suppliers has to be considered an issue that is largely unresolved (also) in the literature.

cc) The new Damages Directive

At the time of writing, the Commission proposal for a directive of the European Parliament and the Council on certain rules governing actions for damages under national law for

limiting the extent of the loss or damage, or risk having to bear the damage himself", Case C-46/93, Brasserie du Pêcheur, [1996] ECR 1029, paras 84 et seq.; joined Cases C-104/89 and C-37/90 Mulder and Others v Council and Commission [1992] ECR I-3061, para 33. As general principles common to the legal systems of the Member States are a major source of community law, there is a very strong argument for saying that this holding applies to damages for violations of EU competition law, too. Therefore, Ward & Smith (supra note 89), para 7-073 rightly consider the mitigation principle applicable in competition law damages claims.

Eilmansberger, The Green Paper (supra note 83), p. 461 (2007) and Säcker & Jaecks (supra note 83), Art. 81 EG para 891 exclude suppliers of direct cartel victims for reasons of remoteness. Damages of victims' suppliers are however arguably more remote than damages of (direct) cartel suppliers.

⁹⁶ Bojana Vrcek, in: Foer & Cuneo (supra note 44), p. 277, 283; Gero Meessen, Der Anspruch auf Schadensersatz bei Verstößen gegen EU-Kartellrecht, 2011, p. 219.

⁹⁷ Emily Clark, Mat Hughes & David Wirth, Analysis of Economic Models for the calculation of damages, in: Study on the conditions of claims for damages in case of infringement of EC competition rules (Ashurst study), p. 15 para. 2.15 et seq., including n. 20.

Oxera, Assimakis Komninos et al., Quantifying antitrust damages - Towards non-binding guidance for courts, December 2009, 2010, http://ec.europa.eu/competition/antitrust/actionsdamages/, p. 27 (with respect to a price cartel); see also p. 24 (with respect to exclusionary conduct).

⁹⁹ Thomas Eger & Peter Weise, Some Limits to the Private Enforcement of Antitrust Law: A Grumbler's View on Harm and Damages in Hardcore Price Cartel Cases, 3 Global Competition Litigation Review 151 (2010).

Commission Staff Working Document, Practical Guide, Quantifying harm in actions for damages based on breaches of Article 101 or 102 of the Treaty of the Functioning on the European Union, Accompanying the Communication from the Commission on quantifying harm in actions for damages based on breaches of Article 101 or 102 of the Treaty on the Functioning of the European Union {C(2013) 3440}.

infringements of the competition law provisions of the Member States and of the EU¹⁰¹ has just been adopted by the European Parliament. The proposal still needs final approval from the Council of the European Union, which is however a mere formality given that the final compromise text of the proposed Directive has been agreed between the European Parliament and the Council during the ordinary legislative procedure. The directive will entail a transposition period of two years (Art. 21(1) Damages Directive, in the form of the European Parliament's legislative resolution of 17th April 2014).

The directive contains several, partly far-reaching measures concerning procedural issues of private enforcement, 104 but refrains from regulating the substantive issue of standing. According to recital 12, the directive reaffirms the acquis communautaire on the Union right to compensation for harm caused by infringements of Union competition law, particularly regarding standing and the definition of damage, as it has been stated in the case-law of the Court of Justice of the European Union, without pre-empting any further development thereof. Accordingly, Art. 2(1) of the Draft Directive simply repeats the ECJ case law by saying that Member States shall ensure that any natural or legal person who has suffered harm caused by an infringement of competition law is able to claim and to obtain full compensation for that harm. The provision does not specify the group of eligible claimants. In view of this, Art. 12 to 15 of the Damages Directive, regulating the passing-on defence only with respect to direct and indirect cartel purchasers (Art. 12 to 15) as well as suppliers of buying cartels (Art. 14(2)), i.e. groups whose standing is well accepted, cannot be read to exclude standing of other potential claimants.

This is corroborated by the fact that the Commission, which drafted the original proposal of the directive, obviously did not and does not intend to restrict the universe of potential plaintiffs with respect to suppliers. The Commission explicitly acknowledges in fn. 26 of the *Commission Staff Working Document* accompanying the Communication from the Commission on quantifying harm in actions for damages based on breaches of Article 101 or

¹⁰¹ COM(2013) 404 final.

European Parliament legislative resolution of 17 April 2014 on the proposal for a directive of the European Parliament and of the Council on certain rules governing actions for damages under national law for infringements of the competition law provisions of the Member States and of the European Union (supra note 9); see also the Report by the European Parliament's Committee on Economic and Monetary Affairs (rapporteur: Andreas Schwab) from February 2014 (Report on the proposal for a directive of the European Parliament and of the Council on certain rules governing actions for damages under national law for infringements of the competition law provisions of the Member States and of the European Union, COM(2013)0404 – C7-0170/2013 – 2013/0185(COD)).

Cf. Council of the European Union, New rule to facilitate damages claims for antitrust law violations, 26/3/2014 (English) - Press: 182 Nr: 8136/14, http://www.consilium.europa.eu/uedocs/cms_data/docs/pressdata/en/intm/141926.pdf

Inter alia, The European legislator is going to prescribe a form of discovery ("disclosure of evidence", Art. 5 et seqq. Damages Directive) which could entail a paradigm shift in German civil procedure (*Lilly Fiedler & Anna Blume Huttenlauch*, Der Schutz von Kronzeugen- und Settlementerklärungen vor der Einsichtnahme durch Dritte nach dem Richtlinien-Vorschlag der Kommission, NZKart 2013, 350, 353), while, at the same time, requiring absolute protection of leniency and settlement submissions: As a general rule, national courts shall not order a party or a third party to disclose in any form leniency statements or settlement submissions, Art. 6(6) Damages Directive. Moreover, the Damages Directive will harmonize several important features of private enforcement, in particular limitation periods, joint and several liability, the passing-on defence, availability of consensual dispute resolution and a presumption of harm. Besides, the directive will mandate a moderate form of mutual recognition of infringement decisions: Art. 9(2) provides that Member States shall ensure that final infringement decisions in another Member State may be presented before their national courts as at least prima facie evidence of an infringement.

102 of the Treaty on the Functioning of the European Union, ¹⁰⁵ that there are other persons "such as suppliers of the infringers" that "may also be harmed by infringements leading to price overcharges".

To conclude, the Damages Directive will neither resolve the question whether cartel suppliers are entitled to damages, nor remove the uncertainties regarding other general European law issues on standing. At this point, the laws of the Member States come into play. In what follows, this is illustrated by English and German law.

b) An exemplary look at two Member States

aa) England

In English law, the claimant's cause of action for damages for infringement of EU competition law is now¹⁰⁶ generally considered to be the tort of breach of statutory duty.¹⁰⁷ As claims for damages are usually settled, sometimes with considerable payments,¹⁰⁸ there are no final judgments yet that have awarded damages to cartel victims *and* been upheld on appeal.¹⁰⁹ However, in two judgments of 2012 and 2013, the CAT has awarded damages to victims of abuses of a dominant position.¹¹⁰ In view of the small body of authoritative case law, it is an open question whether cartel suppliers are entitled to damages.¹¹¹ Two conditions are of critical importance:¹¹²

First, it is not sufficient for the claimant to show that the defendant's breach was a *causa sine qua non*, i.e. that the loss would not have occurred but for the breach. Rather, the tortious conduct must have been a cause that, from a normative point of view, is considered material enough to justify damages. This requires that

- the breach was a substantial, direct or effective cause that cannot be ignored for the purpose of legal liability, 113

The question was unclear for a long time; apart from breach of statutory duty, other torts were discussed, such as unlawful interference with trade, or a new tort to reflect the EU nature of the claim, see *Jones & Sufrin* (supra note 16), p. 1214.

See the studies of *Barry Rodger*, Private Enforcement of Competition Law, the Hidden Story: Competition Litigation Settlements in the United Kingdom, 2000-2005, 29 E.C.L.R. 96-116 (2008), *Barry Rodger*, Competition Law Litigation in the UK Courts: A Study of All Cases to 2004 – Part III, 27 E.C.L.R. 341, 346 (2006), and besides the references provided by *Whish & Bailey* (supra note 2), p. 315 et seq., fn. 185.

Brealey & Green (supra note 10), para 16.36; Whish & Bailey (supra note 2), p. 316.

¹¹⁰ 2 Travel Group PLC (in liquidation) v Cardiff City Transport Services Limited, [2012] CAT 19; Albion Water Ltd v DŴR Cymru Cyfyngedig [2013] CAT 6.

For a short general list of the elements a claimant must show when making a claim for damages based on breach of statutory duty see *Jones & Sufrin* (supra note 16), p. 1214.

112 See *Brealey & Green* (supra note 10), para 17.03 et seqq.

¹⁰⁵ {C(2013) 3440}.

Garden Cottage Foods Ltd v Milk Marketing Board [1984] AC 130, 141; Devenish Nutritition Ltd. v. Sanofi-Aventis SA (France) [2007] EWHC 2394 (Ch), para 18, per Lewison J.; Lesley Farrell & Neil Davies, United Kingdom: Private Enforcement, The European Antitrust Review 2010, p. 246-253; Brealey & Green (supra note 10), para 16.02, 17.02; Mark Clough & Arundel McDougall, United Kingdom report, in: Ashurst Study (supra note 97), p. 3; sceptical Whish & Bailey (supra note 2), p. 309, pointing to the effet utile of Community law. Resorting to the tort of breach of statutory duty is the general approach in English law with respect to EU law rights which must be given effect without further enactment, see Sempra Metals Ltd (formerly Metallgesellschaft Ltd) v Inland Revenue Commissioners [2008] 1 A.C. 561, para 69, per Lord Nicholls of Birkenhead.

Bailey v Ministry of Defence [2008] EWCA Civ. 883, [2009] 1 WLR 1052, 1066-69; Stanley v Gypsum Mines Ltd. [1953] AC 663, 687, per Lord Asquith; Brealey & Green (supra note 10), para 17.03. This is important if several necessary factors contributed to the loss (see generally Harvey McGregor, McGregor on Damages, 18th ed. 2009, paras 6-016 et seqq.). It is still an open question whether the courts will then take a broad 'but for' approach to causation, rigorously apply the requirement that the competition law violation

- the loss was not caused by the claimants own mismanagement or another intervening cause, ¹¹⁴ which will probably require a supplier to show that the cartel members did not cut supplies from him for other commercial reasons (such as quality), and that
- the injury is sufficiently proximate. 115

Second, and probably the crucial hurdle for cartel suppliers, a claimant who sues for breach of statutory duty must in principle show that the duty was owed to him, meaning (1) that the statute imposes a duty for the benefit of the individual harmed, and that (2) the duty was in respect of the kind of loss suffered. ¹¹⁶ In Crehan v Inntrepreneur Pub Company the defendant raised this issue as a defence before the Court of Appeal, referring – apart from English authorities – to the doctrine of antitrust injury as stated by the Supreme Court in *Brunswick*. 117 The defendant argued that the claimant need not only prove a causal link between the illegal distortion of competition at hand and the loss, but also that the loss was of a type Art. 101(1) intended to prevent. The defendant disputed this because Crehan had not suffered from restricted competition in the market for the supply of beer to on-trade outlets, which made the tying arrangement at issue violate Art. 101 TFEU, but from the beer tie distorting competition with other pubs free of tie. The Court of Appeal accepted "as a matter of English law" that the duty breached must be in respect of the kind of loss suffered. 118 However, English law must be interpreted such that liability is imposed where required by EU law. 119 The Court of Appeal therefore rejected the argument in the case at hand, inferring from the ECJ's preliminary ruling that Community law conferred onto Crehan a right to the type of damages claimed. 120

The case law leaves thus open whether the English law principle can ever apply in the context of European competition law. ¹²¹ In any case, the principle cannot be applied narrowly: In particular, the ECJ judgment in *Courage* shows that a right to damages does not require that the loss occurred in the same market as the illegal restriction of competition. Some commentators conclude that the requirement that the statute imposes a duty for the benefit of the individual harmed is always satisfied in cases involving Art. 101 and 102 TFEU. ¹²² Building on this view, others argue that cartel suppliers are entitled to damages pursuant to English law. ¹²³ This arguably pertains to indirect suppliers as well. While the question

must be the substantial, direct or effective cause of the loss claimed, or whether the courts will predicate this on the infringement in question. If a court finds that some of the defendant's conduct that led to the claimant's loss infringed competition law, while other of the conduct was legitimate, the court could also apportion loss on an approximate basis to the different effective causes, see further *Brealey & Green* (supra note 10), paras 17.03, 17.06.

Cf. Arkin v Borchard, [2003] EWHC 687 (Comm), [2003] Lloyd's Rep 225, paras 538-555 (claimant's own mismanagement as intervening cause), para 568 (infringement not predominant cause); Crehan v Inntrepreneur Pub Company (CPC), [2003] EWHC 1510 (Ch), paras 240-248 (no mismanagement); Brealey & Green (supra note 10), para 17.04.

Brealey & Green (supra note 10), para 17.05.

SAAMCO v York Montague Ltd [1997] AC 191, 211 et seq., per Lord Hoffmann; Gorris v Scott (1874) LR 9 Ex 125; with respect to competition law actions for damages Brealey & Green (supra note 10), para 17.08; Jones & Sufrin (supra note 16), p. 1214.

Crehan v Inntrepreneur Pub Company (CPC) [2004] EWCA Civ 637, para 156 et seq.

¹¹⁸ Crehan (supra note 117) [2004] EWCA Civ 637, para 158.

¹¹⁹ *Jones & Sufrin* (supra note 16), 1214.

¹²⁰ Crehan (supra note 117) [2004] EWCA Civ 637, para 167.

Brealey & Green (supra note 10), para 17.10; Jones & Sufrin (supra note 16), p. 1218.

Jones & Sufrin (supra note 16), p. 1215; in a similar vein Ward & Smith (supra note 89), para 7-017.

¹²³ See e.g. Vincent Smith, Anthony Maton & Scott Campbell, in: Foer & Cuneo (supra note 44), p. 296, 300.

whether the passing-on defence is available in English law has not yet been decided by the courts, ¹²⁴ the emerging position is to accept it, ¹²⁵ which should imply, that, conversely, indirect victims are in principle entitled to claim damages ¹²⁶ if they meet the standard of proof. ¹²⁷

bb) Germany

In Germany, the prospects of suppliers to claim lost profits changed considerably with the 7th amendment of the German Act against Restraints of Competition (Gesetz gegen Wettbewerbsbeschränkungen, GWB) in 2005. Before the 7th amendment, many lower courts had held that the then-applicable version of the cartel prohibition protected and therefore entitled to damages only those directly aimed at by a competition law infringement (doctrine of the protective purpose, *Schutznormtheorie*), ¹²⁸ thereby excluding suppliers of a sellers' cartel. However, this interpretation, which has only recently been overruled by the German Federal Court (Bundesgerichtshof, BGH) on the occasion of a case predating the 7th amendment, ¹²⁹ was hardly compatible with the ECJ case law since *Courage*. This prompted the legislator to reform the relevant provision in the GWB.

Since the reform, the GWB provides for a right to damages for every person affected, defined as everybody who, as a competitor or other market participant, is adversely affected by the infringement. Insofar the legislator abandoned the doctrine of the protective purpose. Other market participants are defined broadly. The term comprises all natural persons and

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126 Mark Clough & Arundel McDougall, United Kingdom report, in: Ashurst Study (supra note 97), p. 24 et seq. The issue might be decided soon, see Whish & Bailey (supra note 2), p. 311.

²⁹ BGH, case KZR 75/10, Selbstdurchschreibepapier ("ORWI"), NJW 2012, 928, 929, paras 16 et seq.

Section 33 subsection 3 sentence 1 in conjunction with subsection 1 sentence 3 GWB.

For comprehensive discussions see *Brealey & Green* (supra note 10), paras 16.13-16.32, with short summaries of the legal situations in the US and some EU Member States; *Ward & Smith* (supra note 89), paras 7-044 et seqq.

In Emerald Supplies Ltd v British Airways plc [2009] EWHC 741, [2010] Ch 48, para 37 the Chancellor remarked obiter that the judgment in Hanover Shoe was "a policy decision not open to the courts in England", damage being a necessary ingredient on the cause of action; furthermore, Longmore LJ in Devenish Nutrition Ltd. V Sanofi-Acventis SA (France) [2008] EWCA 1086, [2009] Ch 390, para 147, followed by Tuckey, LJ, para 158, strongly disfavoured allowing victims to claim damages that they have passed on, which would mean "transferring monetary gains from one underserving recipient to another undeserving recipient (...)"; in the same vein Whish & Bailey (supra note 2), p. 310 et seq.

¹²⁷ The claimant must prove its allegations on the balance of probabilities, whereat, the more unlikely the alleged infringement, the stronger the evidence must be to establish it. Furthermore, the claimant must demonstrate that the anti-competitive behaviour caused the loss suffered, which does not require the same high evidentiary standard than the proof of the infringement, see further *Brealey & Green* (supra note 10), para 16.03-16.12; briefly *Whish & Bailey* (supra note 2), p. 309-311.

See further *Bornkamm*, in: Langen & Bunte (supra note 10), § 33 paras 25, 29 et seq., 37 et seq.; *Bulst* (supra note 85), p. 2201 et seq., both pointing out that this view was not predetermined by the case law of the German Federal Court (Bundesgerichtshof, BGH) at that time, which had merely held that "at least" the persons directly aimed at by the infringement had a right to damages; *Alexander* (supra note 82), p. 370; *Rainer Bechtold*, GWB, 6th ed. 2010, § 33 para 9; critical *Rolf Hempel*, Privater Rechtsschutz im Kartellrecht, p. 42 et seqq.

See government's statement of reasons (Regierungsbegründung) concerning the 7th amendment of the German Act against restraints of competition, Bundestag document No. 15-3640, p. 35, 53; *Bornkamm*, in: Langen & Bunte (supra note 10), § 33 GWB paras 29-31.

Rolf Hempel, Privater Rechtsschutz im deutschen Kartellrecht nach der 7. GWB-Novelle, WuW 2004, 362, 368; Bornkamm, in: Langen & Bunte (supra note 10), § 33 GWB paras 31, 32.

legal entities that are potentially adversely affected in their market behaviour¹³³ by a competition law infringement.¹³⁴ The legislator explicitly intended suppliers to belong to these 'other market participants', regardless of whether the cartel deliberately aimed at them.¹³⁵ This seems widely accepted¹³⁶ and includes direct and – subject to remoteness – indirect suppliers. After much controversy concerning the passing-on defense,¹³⁷ the German Federal Court (*Bundesgerichtshof*, BGH) endorsed it in 2012, holding that the group of potential claimants is restricted only by the requirement of a causal link between the illegal cartel and the damages claimed.¹³⁸

There are thus good reasons to conclude that lost profits of suppliers resulting from an output reduction by the cartel members are in principle recoverable as damages pursuant to German law. It should however be noted that some legal uncertainty remains. In particular, according to a view that relies on the government's statement of reasons (Regierungsbegründung) concerning the reform act, a market participant is only entitled to damages if there is a more than accidental link, an inner coherence between the reasons that make the defendants conduct a competition law violation and the adverse effect on the market participant (so called *Zurechnungs- oder Rechtswidrigkeitszusammenhang*). This might be used to exclude cartel suppliers.

Besides, there are doubts whether claims by suppliers are enforceable in practice. Sometimes they are deemed to be speculative in nature and very unlikely to be proven. ¹⁴² In particular, similar to England, the defendant's action need not only be a *conditio sine qua non* for the loss (*äquivalente Kausalität*), but damages must also be attributable to the defendant from a

¹³³ This excludes claims by employees as well as shareholders only because the cartel members are fined for the infringement. Both groups are then affected by the deterioration of the company's financial statuts, not by effects on their market behaviour, *Görner* (supra note 83), p. 164.

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Erik Staebe, in: Schulte & Just, Kartellrecht, 2012, § 33 GWB para 9, 28; Bechtold (supra note 128), § 33 para 10; Emmerich, in: Immenga & Mestmäcker (supra note 10), § 33 para 27; Volker Emmerich, Kartellrecht, 12th. ed. 2012, § 8 para 16; in principle also Fort (supra note 90), para 44; for an overview about current scholarly opinions and an in depth analysis Meessen (supra note 96), p. 172-189.

See the government's statement of reasons (Regierungsbegründung) concerning the 7th amendment of the German Act against restraints of competition, Bundestag document No. 15-3640, p. 35, 53; on the justification see *Meessen* (supra note 96), p. 169, 181; *Daniel Zimmer & Jan Höft*, "Private Enforcement" im öffentlichen Interesse?, ZGR 5/2009, 662, 683.

See for instance explicitly including cartel suppliers *Emmerich*, in: Immenga & Mestmäcker (supra note 10), § 33 paras 22, 28; *Emmerich* (supra note 134), § 8 para 16, § 40 para 8; *Bornkamm*, in: Langen & Bunte (supra note 10), § 33 GWB § 33 GWB paras 32 et seq., 48.

While some scholars argued that all affected market participants are entitled to damages (for instance *Emmerich*, in: Immenga & Mestmäcker (supra note 10), § 33 para 29; *Emmerich* (supra note 134), § 40 para 20 et seq.; *Zimmer & Höft* (supra note 135), p. 683 et seq. fn. 109; *Joachim Bornkamm*, in: Langen & Bunte, Kartellrecht, Vol 1, 11th ed. 2011, § 33 GWB paras 101 in conjunction with 37, 42-44), others were of the view that only those in direct contact with the cartel members could claim damages (e.g. *Bechtold* (supra note 128), § 33 para 11, 20; *Jens Koch*, Kartellrechtliche Schadensersatzansprüche mittelbar betroffener Marktteilnehmer nach § 33 GWB n. F.WuW 2005, 1210, 1217-1222).

¹³⁸ BGH, case KZR 75/10, Selbstdurchschreibepapier ("ORWI"), NJW 2012, 928, 929 et seqq., 931 para 35; Staebe (supra note 134), para 28.

¹³⁹ *Logemann* (supra note82), p. 239.

Bornkamm, in: Langen & Bunte (supra note 10), § 33 GWB paras 34 et seq.; Meessen (supra note 96), p. 185-189; generally Christian Grüneberg, in: Palandt, Bürgerliches Gesetzbuch, 72^{nd.} ed. 2013, Vorb § 249 paras 29 et sequ.

For instance *Meessen* (supra note 96), p. 189 argues that market participants entitled to damages pursuant to German law are only those whose freedom of action and choice is restricted. This may or may not be true for suppliers to a price cartel, depending on how important the cartel members are as customers.

Logemann (supra note82), p. 239.

normative point of view (*adäquate Kausalität*). Besides, a competition law infringement is not considered causal for damages that would have occurred but for the infringement, too. ¹⁴³ The supplier must therefore show that the cartel member(s) had bought more inputs just from him (i.e. not from a competing supplier). This task is however alleviated by the legal presumption of lost profits in sec. 252 of the German Civil Code (BGB)¹⁴⁴ if the supplier could reasonably expect to sell a certain quantity to the cartel members, e. g. because of a stable customer-client relationship. ¹⁴⁵

IV. The case for and against cartel supplier standing in the EU

1. Lessons from the US?

In view of the open questions concerning the scope of the right to damages for infringements of EU competition law on the one hand, and the considerable experience gained with intense private enforcement in the US on the other, it suggests itself to ask whether the US approach to supplier standing could – in whole or in part – be a model for private enforcement in the EU. This crucially depends on the comparability of the framework conditions in the legal systems. ¹⁴⁶

Standing limitations in the US are to a large extent explained by the draconian treble damages remedy. Combined with opt-out class-actions, pre-trial discovery and contingency fees, it makes claims for damages very attractive for purported victims, implying a high risk of duplicative recovery and complex apportionment.¹⁴⁷ In the US, it is therefore essential to tightly limit the universe of potential plaintiffs. If, as a collateral consequence, some damages are not recoverable, automatic trebling can in principle make up for such a slippage.¹⁴⁸ Tellingly, when treble-damages are no concern, the US courts adopt a more liberal approach to standing. This holds in particular for sec. 16 of the Clayton Act (15 U.S.C. 26)¹⁴⁹ which provides for injunctive relief against threatened loss or damage when and under the same conditions and principles as injunctive relief is granted by courts of equity. Insofar the courts are less concerned about whether the plaintiff is an efficient enforcer of the antitrust laws. This is because the dangers of mismanaging them are less pervasive,¹⁵⁰ given that there is no risk of duplicative recovery an no danger of complex apportionment that pervade the analysis of standing under sec. 4 Clayton Act.¹⁵¹

¹⁴³ Bechtold (supra note 128), § 33 para 27

¹⁴⁴ Sec. 252 BGB sentence 1 provides that the damage to be compensated for also comprises the lost profits. Sentence 2 adds that those profits are considered lost that in the normal course of events or in the special circumstances, particularly due to the measures and precautions taken, could probably be expected.

Besides, this might be the case if the supplier produced inputs specifically designed for the needs of the cartel firms.

¹⁴⁶ Cf. Brealey & Green (supra note 10), para 16.17 supra note 26.

¹⁴⁷ Cargill v Monfort, 479 U.S. 104, 111, 107 S.Ct. 484, 490; Blue Shield of Virginia et al. (supra note 37), 457 U.S. 474-475.

¹⁴⁸ Crane, in: Hylton (supra note 44), p. 13.

See *Altman & Pollack* (supra note 38), § 4:49; 54 Am. Jur. 2d Monopolies and Restraints of Trade (updated Feb. 2013) § 382; *Cramer & Simons*, in: Foer & Cuneo (supra note 44), p. 87.

¹⁵⁰ *Todorov* (supra note 38), 921 F.2d 1438, 1452 (11th Cir. 1991).

¹⁵¹ Cargill v Monfort, 479 U.S. 104, 111, 107 S.Ct. 484, 490; Todorov (supra note 38), 921 F.2d 1438, 1452 (11th Cir. 1991). While the standing is therefore less restrictive for a plaintiff seeking an injunction under section 16 of the Clayton Act, the plaintiff must allege threatened injury that would constitute antitrust injury in the same way as in a claim for damages. This is to prevent contradicting results, because, as the Supreme Court put it, "would be anomalous (...) to read the Clayton Act to authorize a private plaintiff to secure an

In a similar vein, even if to a somewhat lesser extent, the risks of duplicative recovery and complex apportionment are less important in the EU compared to the US, as the EU Member States provide for punitive or exemplary damages only exceptionally ¹⁵² and, while providing for certain collective action mechanisms, reject US-style opt-out class actions. ¹⁵³ Moreover, a loser-pays rule applies to the costs of trial. In such an institutional framework, only those who suffered significant and provable losses have an incentive to sue for damages. Therefore, in the EU, compared to the US, more persons that might suffer losses from a cartel can confidently be granted a right to damages. In certain respects, this is already current case law. In particular, as *Crehan* shows, in the EU, unlike in the US, a right to damages does not require the loss to occur in the same market than the lessening of competition that makes the defendant's conduct illegal. It follows that the type of loss which the competition provisions are intended to prevent is broader in the EU than in the US.

2. The purpose of a right to damages as the guiding principle for standing

The insight that the EU framework allows for more generous standing leads to the question how the scope of the right to claim damages should be delimited in the EU. The key to the answer, in our opinion, is to be found in the purpose the legal system assigns to that right. In the US, a major purpose of private actions for damages is to deter antitrust law violations: Private plaintiffs are enlisted as "private attorney generals" to complement the resources of the antitrust authorities. Such a utilitarian perspective justifies restricting standing to those who can efficiently enforce the antitrust laws, even if this means that some victims remain uncompensated, while others receive windfall profits. The same result is hard to justify in a

injunction against a threatened injury for which he would not be entitled to compensation if the injury actually occurred.", *Cargill v Monfort*, 479 U.S. 104, 112, 107 S.Ct. 484, 490.

Exemplary damages for competition law violations in England are not awarded regularly but rather exceptionally, see 2 *Travel Group PLC (in liquidation)*(supra note 110), paras 448 et seq.

Rubinfeld, in: Elhauge (supra note 1), p. 378; Daniel A. Crane, in: Hylton (supra note 44), p. 1; Max Huffman, A Standing Framework For Private. Extraterritorial Antitrust Enforcement, 60 SMU Law Review 103, 113 (2007).

The non-binding Commission Recommendation on common principles for injunctive and compensatory collective redress mechanisms in the Member States concerning violations of rights granted under Union Law, C(2013) 3539/3, a part of the recent reform package (see above note 68), explicitly rejects US-style class actions (cf. recital 15 and Commission recommends Member States to have collective redress mechanisms in place to ensure effective access to justice, IP/13/524, p. 3). While many EU Member States provide for some form of opt-in group claim (see with respect to German, English and Dutch law Maton et al., 2 J of Eur Comp L & Practice, 489 (2011); for a very concise and rather rough overview about all Member States Paolo Buccirossi & Michele Carpagnano et al., Collective Redress in Antitrust, Study for the Policy Department A: Economic and Scientific Policy, 2012, p. 19 et seqq.), currently no member state provides for opt-out class actions for damages with respect to competition law infringements. In the UK, the BIS however wants to introduce collective proceedings before the Competition Appeal Tribunal (CAT) as part of the Draft Consumer Rights Bill (supra note 68). The CAT would authorize such actions as opt-in or opt-out proceedings (sec. 47B (7)(c) Draft Consumer Rights Bill). It remains to be seen whether this part of the Bill will be enacted. In any case, opt-out collective actions would include only class members domiciled in the UK (cf. sec. 47B (11) (b)); in all collective actions, an award of exemplary damages would be excluded (sec. 47C(1)), damages based agreements (contingency fees) prohibited (sec. 47C(7)), the loser pays rule would apply and a damage award, insofar as it is not claimed by the class members, would have to paid to the charity (sec. 47C(5)). The proposal thus differs considerably from the US class action system.

Cf. Associated General Contractors (supra note 23), 459 U.S. 519, 542; Exhibitors Service, Inc. (supra note 45), 788 F.2d 574, 581 (9th Cir. 1986); Jonathan W. Cuneo, in: Foer & Cuneo (supra note 44), p. 27.

Even if the injury of one potential claimant is truly "inextricably intertwined" with injury of another, the Supreme Court may decide that either of them, but not both may recover, to avoid the risk of duplicative recovery and the practical problems inherent in distinguishing the losses suffered, see *Illinois Brick Co. v.*

legal system like the EU where damages fulfil at least equally a compensatory purpose. ¹⁵⁷ In view of this goal, awards should mirror the claimant's losses as closely as possible, whereas inaccuracy can create injustice. ¹⁵⁸

3. The case for supplier standing in the EU

On the basis of the guiding principle just proposed, there are several arguments to suggest that damages of direct suppliers to a sellers' price cartel should be recoverable pursuant to EU law.

First, as shown above, suppliers regularly suffer losses from a cartel, and thereby come within the scope of "any individual" in the words of the ECJ.

Second, full compensation as an at least equal purpose of competition law actions for damages¹⁵⁹ requires covering all losses accurately and precisely, as long as no exception is justified. Four justifications seem particularly relevant: (1) remoteness – if damages are remote, litigation is costly and prone to errors that impair prevention (deterrence);¹⁶⁰ (2) unjust enrichment – in this case the plaintiff would receive a windfall undefendable from a corrective justice point of view;¹⁶¹ (3) the victim itself bears significant responsibility for the infringement – then allowing for damages would create an ex-ante incentive to contravene the law; (4) the victim could have easily and cheaply avoided the damage – then allowing for compensation would encourage socially inefficient behaviour.¹⁶² Neither of these

Illinois 431 U.S. 720, 97 S.Ct. 2061 (1977); *Blue Shield of Virginia et al.* (supra note 37), 457 U.S. 465, 492 (Justice Rehnquist, with whom The chief Justice O'Connor join, dissenting).

⁵⁸ Wouter P.J. Wils, Should Private Enforcement Be Encouraged in Europe?, World Comp 26(3) (2003), 473, 479.

The ECJ lists the preventive and the compensatory purpose of damages without suggesting a hierarchy, see case C-536/11, Bundeswettbewerbsbehörde v Donau Chemie, paras 23 et seq.; less pronounced case C-295/04 to C-298/04, *Manfredi*, [2006] ECR I-6619, para 89, 91, 94. Many commentators and Member States courts, including the Commission, do however consider compensation to be the primary purpose, see *Joaquín* Almunia, Public enforcement and private damages actions in antitrust, SPEECH/11/598, European Parliament, ECON Committee, Brussels, 22 September 2011, p. 2-3; Nebbia, (supra note 9), p. 23-43; Assimakis Komninos, Public and Private Antitrust Enforcement in Europe: Complement? Overlap?, Comp Law Rev. 3 (Dec. 2006) 5, 9, 10; Clifford A. Jones, Private Antitrust Enforcement in Europe: A Policy Analysis and Reality Check, World Comp 27(1) (2004), 13-24; Whish & Bailey (supra note 2), p. 297; BGH, case KZR 75/10, Selbstdurchschreibepapier ("ORWI"), NJW 2012, 928, 931, paras 36-38, p. 933 para. 62. Notably, this does not exclude to acknowledge and strengthen that private actions for damages also contribute to preventing infringements, see Komninos, opt. cit., p. 9 et seq.; Gerhard Wagner, Schadensersatz bei Kartelldelikten, German Working Papers in Law and Economics, Vol. 2007, Paper 18, p. 3-10; Zimmer & Höft (supra note 135), p. 688; BGH, case KZR 75/10, Selbstdurchschreibepapier ("ORWI"), loc. cit. The forthcoming Damages Directive in the form of the European Parliament legislative resolution of 17 April 2014 on the proposal for a directive of the European Parliament and of the Council on certain rules governing actions for damages under national law for infringements of the competition law provisions of the Member States and of the European Union (supra note 9) does not take a clear-cut position as to the purpose of private enforcement. It states in recitals 3 and 49 and that it's purpose is to ensure the full effectiveness of Art. 101, 102 TFEU and makes clear that full compensation shall not lead to overcompensation, whether by means of punitive, multiple or other types of damages, Art. 2(3) Damages Directive.

See references in footnote 157.

¹⁶⁰ This holds for type I and type II errors, see *Maarten Pieter Schinkel & Jan Tuinstra*, Imperfect competition law enforcement, Int. J. Ind. Organ. 2006, 1267, 1287 et seq.

¹⁶¹ See *Wils* (supra note 158), p. 487.

See on the established principle to assign liability to the so called least-cost avoider (also cheapest cost avoider) *Guido Calabresi*, The costs of accidents (1970), p. 135 et seqq.; *Hans-Bernd Schäfer & Frank Müller-Langer*, in: *Faure*, Tort Law and Economics, 2009, p. 16 et seq.; *Omri Ben-Shahar*, in: Bouckaert & De Geest (eds.), Encyclopedia of Law and Economics, Vol II. Civil Law and Economics, 2000, p. 644, 645 et seq.; *Steven Shavell*, Foundations of Economic Analysis of Law, p. 189 et seq.; *William M. Landes &*

justifications invariably applies to damages of (at least) direct cartel suppliers. It would therefore seem arbitrary to outrightly exclude this group from a right to damages, conflicting with the general principle of equal treatment which requires that comparable situations not be treated differently and different situations not be treated alike unless it is objectively justified, ¹⁶³ now enshrined as a fundamental right in Art. 20 ChFR. ¹⁶⁴

Third, recognizing suppliers as eligible claimants suits well with the ECJ case law that, notwithstanding the compensatory purpose, assigns the community law right to damages a preventive purpose, too. 165 In Kone, the ECJ made clear that national legislation on the right to claim damages, including the aspect who can (not) bring a successful claim, must ensure that European Union competition law is fully effective. National law must specifically take into account the objective to guarantee effective and undistorted competition in the internal market, and, accordingly, prices set on the basis of free competition. ¹⁶⁶ Advocate General van Gerven has even posited that Community law requires the civil law consequences themselves, in particular the right to damages of any individual, to have a deterrent effect (instead of only contributing to discourage infringements). 167 Given that not all infringements are detected and that not all victims of detected infringements sue, single damages will arguably only make a significant contribution to preventing infringements if the class of eligible claimants is not defined narrowly. This suggests that direct and indirect cartel suppliers should in principle have a right to damages. 168 Such a broad definition of potential claimants would also fit well with the ECJ case law in other fields. In particular, the ECJ has enlisted EU citizens as supervisors over the decentralized enforcement of EU law by granting citizens generous standards for standing to sue the Member States for benefits that flow from EU law. 169

4. Objections

While there are thus, in our view, good arguments for granting suppliers of price cartels an EU law based right to damages, there are also some important counterarguments. However, not all of these are convincing.

a) Supplier damages reflective?

First, suppliers' damages from a sellers' cartel could at first blush considered to be reflective, in the sense of merely mirroring the competition law infringement in relation to cartel

Richard A. Posner, Causation in Tort Law: An Economic Approach, 12 Journal of Legal Studies, 109, 110 (1983).

¹⁶⁵ Courage (supra note 5) [2001] ECR I-6297, para 27; Manfredi (supra note 7) [2006] ECR I-6619, para 91; Kone et al. v ÖBB Infrastruktur, not yet reported, para 23.

¹⁶⁶ Kone et al. v ÖBB Infrastruktur, not yet reported, para 32.

¹⁶⁸ This holds in particular as long the Member States, is it is currently the case, do not combine exemplary or punitive damages and group claims as regular instruments.

Case C-292/97, Kjell Karlsson et al., [2000] ECR I-2737, para 39; Case T-347/94, Mayr-Melnhof Kartongesellschaft v Commission, [1998] ECR II-1751, para 352; case T-13/03, Nintendo v Commission, [2009] ECR II-947, paras 95, 170.

See the explanations relating to the Charter of Fundamental Rights (ChFR), OJ No C 303, 14.12.2007, p. 17, 24. The explanations drawn up as a way of providing guidance in the interpretation of this Charter and shall be given due regard by the courts of the Union and of the Member States, Art. 52 paragraph 7 ChFR.

Opinion of Advocate General Van Gerven, Case C-128/92, H. J. Banks & Co. Ltd v British Coal Corporation, ECR 1994, I-1209, para 54; disagreeing Säcker & Jaecks (supra note 83), Art. 81 EG para 842.

Case 26/62, van Gend & Loos [1963] ECR 1, 13: "The vigilance of individuals concerned to protect their rights amounts to an effective supervision in addition to the supervision entrusted by Articles 169 and 170 to the diligence of the Commission and of the Member States." see further *Thomas v. Danwitz*, Europäisches Verwaltungsrecht, 2008, p. 283–285; *Paul Craig*, EU law, 5th ed. 2011, p. 183 et seqq., 215.

customers: 170 customers pay higher prices and therefore buy less, the quantity reduction affecting the whole production chain. This view is however too simplistic.

As shown in part II, suppliers primarily suffer a direct quantity effect, reflected in a decrease of sales. This effect will usually not translate into customer damage claims, because those customers priced out of the market (potential customers) are often not able to show and prove damages: End-consumers who did not buy (or bought less) do not even suffer damages in the legal sense, as the law acknowledges only monetary losses or lost profits, not losses of utility. At best, cartel customers at intermediate layers of the production chain could claim lost profits if they overcome difficulties of proof.¹⁷¹ But when calculating the lost profits of such claimants, their foregone earnings must be reduced by their hypothetical input costs that comprise all profit margins (hypothetically) charged by upstream firms. As a consequence, even if cartel customers claim lost profits with respect to units not bought, their damages do not include the direct quantity effect suffered by suppliers.¹⁷²

Cartel customers primarily claim the overcharge, i.e. the price increase for the units actually produced and sold. As shown above, with respect to these units cartel suppliers may face a positive or a negative price effect. (Only) a price decrease ("undercharge") contributes to suppliers' damages. By contrast, such an effect does not add to consumer damages: Either the cartel passes on the lower input costs, which then reduce the overcharge and thereby consumer damages, or the cartel retains the decrease in input costs to achieve a higher margin, which again does not increase consumer damages, because the overcharge is calculated with reference to the (input) price under competition.

On the other hand, while the price effect for suppliers fits easily within the basic legal definition of damages – suppliers face losses that would not have occurred but for the cartel, which is a proximate cause (condition sine qua non) – the price effect mitigates the cartel's overall negative welfare effects. From a law and economics perspective, one might therefore advocate accepting only the direct quantity effect, not the price effect, as a

Potential purchasers have to prove that they would have bought (more) from the cartel members if the price would have been at a competitive level, which will often be very difficult and is even deemed highly speculative, see *Wils* (supra note 158), p. 487; *Crane*, in: Hylton (supra note 44), p. 1, 15. A successful claim might be possible if the affected buyer was in a stable customer-client relationship with the cartel members.

¹⁷⁰ If a certain head of damage can occur only once and can therefore be attributed only alternatively or in part, but not cumulatively, to the different levels of the production chain, it can be claimed only by one level of the production chain, while others claims are excluded, cf. *BGH*, case KZR 75/10, Selbstdurchschreibepapier ("ORWI"), NJW 2012, 928, 933, paras 60,

This reasoning refers to potential cartel customers that would have bought the cartelized product at the competitive price, but refrain from buying for the inflated price because this price exceeds their willingness to pay. Note, however, that there may be some umbrella firms (competitors of the cartel members not part of the cartel) that offer their product at some discount to the cartelized price, though they will usually charge more than the competitive price. There might be then a part of the potential cartel customers whose willingness to pay is lower than the cartel prize, but higher than the competitive price. Insofar as the willingness to pay of these potential customers is also higher or equal to the price charged by the umbrella firms, they might switch to them, though they are still likely to lower their demand. Insofar as potential customers switch to umbrella firms, their damages are the difference between the competitive price and the price charged by the umbrella firms. According to the ECJ's reasoning in *Kone*, this translated, at least in principle, into a right to damages against the cartel members. Insofar, the same reasoning applies as for direct cartel customers (see the following paragraph in the main text).

See Frank P. Maier-Rigaud & Ulrich Schwalbe, Quantification of Antitrust Damages, Document de travail du LEM 2013-10, forthcoming in: David Ashton & David Henry, Competition Damages Actions in the EU: Law and Practice, Edward Elgar, 2014.

component of suppliers' damages.¹⁷⁴ However, there are at least two important counterarguments: First, in view of the fact that cartels cause ripples of harm to flow through the economy, it is not to be expected that all those who suffer from welfare losses actually claim damages. It would therefore not appear convincing to restrict the legal notion of damages for efficiency reasons to the disadvantage of those who are sufficiently proximate to the cartel and thereby good positioned to bring a claim. Second, sticking to the traditional legal notion of damages would increase legal certainty for supplier claims and fit well with the ECJ case law that attaches also a preventive purpose to competition law actions for damages.

b) The goal of competition law: Consumer welfare vs. supplier losses?

The argument of supplier damages being merely reflective could at most have some force from a normative perspective if one considers consumer welfare to be the primary goal of European community competition law and – based on this – losses to upper levels of the production chain to be immaterial. However, such a view seems hardly tenable since the EJC has held in *GlaxoSmithKline* that Article 101 TFEU aims to protect not only the interests of competitors or of consumers, but also the structure of the market and, in so doing, competition as such.¹⁷⁵ Therefore, according to the ECJ, for a finding that an agreement has an anticompetitive object, it is not necessary that final consumers be deprived of the advantages of effective competition in terms of supply or price.¹⁷⁶ Against this background, it cannot be argued that damages to upper levels of the production chain do not matter. Actually, in certain scenarios such as the one in GlaxoSmithKline, awarding non-consumers a right to damages may even be crucial for having private enforcement at all.

c) Limited protective purpose of EU competition law?

A more substantial counterargument is to say that, in a normative sense, suppliers of price cartels do not (directly) suffer from decreasing competition. The cartel restricts competition in the selling market to the detriment of its customers, not in the buying market. The harms to suppliers result from the cartel members' efforts to minimize costs in response to a lower demand for their product. In the US, a similar reasoning serves to deny antitrust injury to suppliers. While, as shown above, the doctrine of antitrust injury cannot be readily transplanted into competition law regimes with less pervasive private enforcement, the legal systems of the Member States have, as explained on the example of England and Germany, traditionally applied exceptions if damages fall outside the protective purpose of the law forbidding the tortious act. However, many scholars consider this to be incompatible with the

¹⁷⁴ Such an argument could loosely refer to *William L. Landes*, Optimal Sanctions for Antitrust Violations, 50 U of Chicago Law Rev 652 (1983), who argues that the optimal fine or damage award equals the net harm to others, however adjusted upward if the probability of detection is smaller than one. His view is often disputed especially with respect to European Competition law, see *Wils* (supra note 158), p. 191 et seqq.; *Pietro Manzini*, European Antitrust in Search of the Perfect Fine, 31 World Competition 3 (2008).

Joined Cases C-501/06 P, C-513/06 P, C-515/06 P and C-519/06 P, GlaxoSmithKline Services Unlimited, v Commission, [2009] ECR I-9291, para 63; Case C-8/08, T-Mobile Netherlands et al., [2009] ECR I-4529, para 38. The protection of competition as such reflects the objective to foster and protect the economic intergration of the various EU Member States in a common market, see on this goal Eleanor M. Fox, in: Richardson & Graham, Global Competition Policy, 1997, p. 340; Whish & Bailey (supra note 2), p. 23 et seq.

GlaxoSmithKline Services Unlimited (supra note 175) [2009] ECR I-9291, para 63; T-Mobile Netherlands et al. (supra note 175) [2009] ECR I-4529, para 39.

See above text accompanying footnote 59-66.

ECJ case law in Courage, ¹⁷⁸ which establishes that it is not necessary for the loss to occur in the same market than the lessening of competition that makes a defendant's conduct illegal. While we do not think that this requires abandoning all kinds of limitations by reason of a protective purpose, neither Courage and Manfredi nor Kone indicate such an exception with respect to the right of any individual to claim damages. Instead, the ECJ defines the scope of potential claimants exclusively by reference to a causal link between losses and the competition law infringement.¹⁷⁹ From a general tort law perspective, further restrictions seem indeed questionable because price increase and output restriction are inextricably intertwined: a price cartel would not be profitable if the cartel members did not adjust their input demand in view of falling demand for their output. Generally, a tortfeasor is liable for all damages that are inevitable and foreseeable effects of the tort, especially if they are brought about intentionally. 180 In the European context, unlike the US, there are no reasons to privilege cartel members with a more restrictive standard. This view is confirmed by the ECJ's reasoning in Kone, that equates the full effectiveness of EU competition law with "effective and undistorted competition in the internal market, and, accordingly, prices set on the basis of free competition". This obviously extends to all (foreseeable) distortions of free competition caused by a cartel, irrespective of whether they occur downstream due to the pricing conspiracy or upstream due to the output restriction that is, leaving aside the exceptional scenario of completely inelastic demand, a necessary component of implementing the downstream price cartel.

V. Conclusion

Private enforcement of competition law is on the rise worldwide and has been on top of the agenda of European competition policy for almost one and a half decades now. However, while actions for damages by cartel customers have received much attention, the numerous other parties that may incur losses due to a cartel are usually neglected. In particular, suppliers to a downstream price cartel have mostly been overlooked so far. Such suppliers incur losses subject to three effects: Cartel members lower sales and correspondingly their input demand (direct quantity effect), which in turn affects the price suppliers can charge for their product (price effect) and their production costs (cost effect).

¹⁷⁸ See above text accompanying footnote 83.

This interpretation of the ECJ case law is also shared by the German Federal Court, see *BGH*, case KZR 75/10, Selbstdurchschreibepapier ("ORWI"), NJW 2012, 928, 931, para 35.

Pursuant to English law, damages recoverable in contract and tort are determined via two steps: First, a prima facie but-for test of causation ("cause in fact"), and, especially in negligence cases, a test referring to remoteness, proximate or effective causes ("cause in law"), that basically excludes losses that were not reasonably foreseeable (see *Tettenborn & Wilby* (supra note 61), p. p. 170 et seqq. (remoteness), p. 183 et seqq. (causation); *McGregor* (supra note 113), paras 6-005 et seqq.; *Anthony I. Ogus*, The Law of Damages, 1974, p. 60 et seqq. With respect to deliberate torts and intentionally-caused damage, the latter test is arguably slightly relaxed in the sense that all harms directly flowing from the intentional illegal conduct are recoverable, see further *Ogus*, opt cit., p. 70 et seq.; *McGregor* (supra note 113), para 6-014; *Tettenborn & Wilby* (supra note 61), p. 181 et seq. The US approach, already sketched in footnote 61 above, is quite similar, although the terminology partly differs. The same may be said with respect to German law, that has also developed two cumulative main tests: First, a but-for test, asking whether the defendant's illegal conduct was a condition sine qua non for the losses claimed; second, the occurrence of the harm claimed must have been reasonably foreseeable according to general life experience ("adäquate Kausalität), see further *Herrmann Lange & Gottfried Schiemann*, Schadensersatz, 3rd, ed. 2003, p. 77 et seqq.; *Grüneberg* (supra note 140), Vorb § 249 paras 26 et seqq.

Whether suppliers are legally entitled to damages for such losses is however a difficult question. While the EU and the US both seem to generously grant damages to "any individual" or "any person" harmed by a cartel, the standards on supplier standing actually diverge: In the US, though a clear and consistent body of case law on supplier standing is missing, the current majority view denies standing. By contrast, the emerging position in the EU arguably is to grant suppliers a right to damages. In particular, if follows from the case law in *Courage v. Crehan* that in the EU, unlike in the US, a right to damages caused by a competition law infringement does not require the loss to occur in the same market than the lessening of competition that makes the defendant's conduct illegal. The type of loss which the competition provisions are intended to prevent is therefore broader in the EU than in the US, although many details are still open. This affects the laws of the EU Member States that, subject to the EU law principles of equivalence and effectiveness, currently govern action for damages. Indeed, both Germany and England have abandoned important traditional limitations on standing in order to comply with the ECJ case law.

We argue that it is possible to justify a more liberal approach to standing in the EU compared to the US in view of the different institutional context and the goals assigned to the right to damages in the EU. This view suggests that cartel suppliers in principle have a right to damages, as no general restrictions on standing ought to apply. The causation requirement will be one of the main hurdles to clear for them. Sound econometric estimation techniques are of major importance to overcome this obstacle. In this respect, the Annex shows that damages of a specific supplier can be estimated with a residual demand model that is adjusted for the emergence of a downstream cartel.

Annex

The preceding analysis shows that there are good reasons to conclude that cartel suppliers have a community law based right to damages. Regarding the exercise of that right, the case law in *Courage* and *Manfredi* points to national civil law with respect to the standard of proof and the extent of damages recoverable. The crucial challenge is to determine the damages in question. This requires a sound empirical approach that enables victims to prove their losses and courts to sort out unfounded claims with sufficient precision.

Concerning the *direct quantity effect*, it is necessary to estimate a specific suppliers' decrease in sales volume due to the downstream cartel. This can be done by estimating a residual demand model for this specific supplier that takes the emergence of the cartel into account. ¹⁸¹ The residual demand function captures the demand a specific supplier faces after the reaction of all other supplier-firms is taken into account. Hence, the residual demand function accounts for the strategic interdependency between competing suppliers, i.e. the fact that a change by one firm prompts the other firms in the same (e.g. supplier-)market to adjust their prices as well.

Assume that the demand a cartel supplier i faces in the market for its product (the input for the cartelized good) is given by

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¹⁸¹ The residual demand model was proposed by Baker & Bresnahan with the objective to estimate market power of firms in product differentiated industries, see *Jonathan B. Baker and Timothy F. Bresnahan*, Estimating the residual demand curve facing a single firm, International Journal of Industrial Organization 6 (1988), pp. 283-300. We merely describe the main steps and features of this approach as presented by *Massimo Motta*, Competition Policy: Theory and Practice, 2004, p. 125, however, adjusted with respect to the existence of a downstream cartel.

$$x_i = D_i(p_i, \boldsymbol{p}_{-i}, \mathbf{d}, C), \tag{1}$$

where p_i is the unit price firm i charges for its product, p_{-i} a vector of prices charged by all other suppliers-competitors, \mathbf{d} a vector of demand shifters and C a cartel binary variable (dummy) measuring demand changes due to the emergence of a downstream cartel. The first order condition of profit maximization provides the best-reply function of firm i,

$$p_i = R_i(\mathbf{p}_{-i}, \mathbf{d}, \mathbf{I}, q_i, C), \tag{2}$$

where I represents a vector of industry specific cost variables and q_i firm specific costs of firm i. The best-reply function denotes the optimal output price for firm i for given prices of all other firms. Likewise, the vector of best-reply functions of all other firms is given as

$$\boldsymbol{p}_{-i} = R_{-i}(p_i, \mathbf{d}, \mathbf{I}, \boldsymbol{q}_{-i}, C). \tag{3}$$

Substituting vector (3) into firm i's demand function (1) yields the residual demand function for firm i:

$$x_i^r = D_i^r(p_i, \mathbf{d}, \mathbf{I}, \mathbf{q}_{-i}, C). \tag{4}$$

Note that since prices and quantities are jointly determined, the residual demand function must be estimated with a two-stage-least-squares instrumental variable (IV-) estimation. A suitable instrument for p_i is q_i , because firm specific costs of firm i are generally correlated with p_i but uncorrelated with the residuals. The econometric implementation of the second stage of an IV-estimation of the residual demand function (4) is then given as follows: 184

$$x_{i,t}^{r} = \beta_0 + \beta_1 \widehat{p_{i,t}} + \beta_2 C_t + \beta_3' d_t + \beta_4' I_t + \beta_5' q_{-i,t} + u_{i,t}.$$
 (5)

 $\widehat{p_{i,t}}$ is the estimated price obtained from the first stage IV-estimation¹⁸⁵, C_t a binary variable equal to one during the cartel period and zero otherwise, and d, I and $q_{-i,t}$ vectors of exogenous variables that affect demand, industry specific cost variables and firm specific cost drivers from firms other than firm i.

The approach used to determine the quantity effect is equivalent to the *before-and-after method* for overcharge estimations. In the present context, it compares pre- and/or post cartel sales to the sales of the supplier during collusion, relying on the assumption that the competitive situation in the market but for the cartel would have evolved similar to the situation before and/or after collusion. The estimation therefore requires data of the respective variables from the cartel period as well as the non-cartel period. ¹⁸⁶

Note that the model is not specified as a panel but as a time series. As before, the subscripts i and -i indicate whether the respective variables refer to firm i or all other firms. The subscript t indicates the time dimension (weekly, monthly or yearly).

 $^{^{182}}$ The underlying assumption of this approach is that supplier i behaves like a Stackelberg-leader in the supplier market.

¹⁸³ See *Motta* (supra note 181), p. 127.

In the first stage of the two-stage-least-squares IV estimation p_i is regressed on q_i as well as all other right-hand side variables included in the second stage. Although not specified here, the first stage regression results also constitute a test for whether p_i is correlated with q_i , i.e. whether q_i can be used as instrument for p_i . For a detailed description of instrumental variable estimation, see *Jeffrey M. Wooldridge*, Introductory Econometrics: A Modern Approach. 2^{nd} ed. 2003.

¹⁸⁶ For a more detailed description of the before-and-after approach as well as other econometric methods for estimating cartel overcharges, see, e.g., *Peter J. Davis & Eliana Garcés*, Quantitative Techniques for Competition and Antitrust Analysis, 2010, pp. 347-380.

The average output reduction incurred by the cartel supplier per period during cartelization is now given by the estimated coefficient $\widehat{\beta}_2$, and the harm associated with the quantity effect (as described in section II 2) amounts to

$$\left[\sum_{t=1}^{T} \widehat{\beta_2} C_t\right] [p^* - c^*]. \tag{6}$$

The first term sums up the output decreases over the entire cartel period, and is then multiplied by the price-cost margin earned by the cartel supplier in the counterfactual competitive scenario.

The price-cost margin can be estimated by means of supplier i's residual demand elasticity, as we will show during the following analysis of the remaining determinants of a supplier's overall damage, the price and cost effect. These effects shown in Table 1 (section II 2, p.6) are given by

$$\tilde{x}_{i2}(p^*-\tilde{p})-\tilde{x}_{i2}(q^*-\tilde{q}),$$

which can be rewritten as

$$[(p^* - q^*) - (\tilde{p} - \tilde{q})]\tilde{x}_{i2}. \tag{7}$$

Expression (7) corresponds to the difference between the supplier's price-cost margin under competition and under collusion, multiplied by the quantity sold to the cartel members during collusion. To quantify the price and cost effect, it is therefore necessary to estimate the price-cost margin of the supplier for both regimes. This can be done by means of firm i's Lerner Index of market power, given as

$$L_i = \frac{p_i - q_i}{p_i} = -\frac{1}{\varepsilon_i^r},$$

where ε_i^r denotes the residual demand elasticity faced by supplier i in the supplier market. The Lerner Index relates the firm's mark-up to the price charged by the firm. In case of perfect competition in the supply market, the Lerner Index is zero, suggesting that no price and cost effects occur. With increasing market power the Lerner Index increases up to the theoretical maximum value of 1 under monopolization.

We can derive the residual demand elasticities for both periods of time (collusion and non-collusion) by estimating a slightly different version of the residual demand model described above (equation (5)):¹⁸⁸

$$\ln x_{i,t}^r = \beta_0 + \beta_1 \widehat{\ln p_{i,t}} + \beta_2 C_t + \beta_3 \widehat{\ln p_{i,t}} C_t + \beta_4' \mathbf{d_t} + \beta_5' \mathbf{I_t} + \beta_6' \mathbf{q_{-i,t}} + u_{i,t}$$
 (8)

The only difference to model (5) is that both quantity and instrumented price of the supplier are in logarithm and that an additional interaction term between instrumented price and carteltime dummy $(\widehat{ln p_{i,t}}C_t)$ is included. The residual elasticity of demand during and outside the cartel period for supplier i is now given as

$$\varepsilon_i^r = \frac{\partial \ln x_{i,t}^r}{\partial \widehat{\ln p_{i,t}}} = \beta_1 + \beta_3 C_t \text{ , with } C_t = \begin{cases} 1 \text{ during the cartel period} \\ 0 \text{ during the competition period}. \end{cases}$$

¹⁸⁷ Alternatively, the price-cost margin could also be determined with the help of accounting data.

¹⁸⁸ Again, model (8) reflects the second stage of a two-stage-least-squares estimation. For information on the first stage regression, see footnote 185.

The estimated demand elasticities in the cartel and the non-cartel period combined with price data of the cartel supplier make it possible to calculate price-cost margins, which can then be used to jointly calculate the price and cost effect as defined in expression (7). The estimated price-cost margin during the competitive period additionally completes the calculation of the direct quantity effect as stated in (6).

In principle, the approach described in this section could also be applied to a group of firms, for instance a group of (supplier-) claimants. One then would have to treat this group as one single firm in the market and estimate the residual demand for the entire group. However, such an approach is subject to at least one important disadvantage: Unlike purchasers who are generally exposed to the same price effect, cartel suppliers might encounter substantially different quantity effects. To illustrate, assume that the cartel members decrease their input demand by 10 percent due to the infringement. They might then either reduce their input demand equally by 10 percent with respect to each supplier, or cut demand to a greater extent or even to quit the business relationship with respect to certain suppliers only. In an extreme case, this might even entail a larger input demand from other suppliers in order to receive bulk discounts. Hence, unlike in the case of an average overcharge, it is critical to suppose that a general decrease in residual demand of 10 percent harms all suppliers equally by a 10 percent reduction in sales. If this assumption is not warranted, separate estimations for each supplier are preferable.

It is worth mentioning that the price-cost margins of cartel and non-cartel period might not be significantly different, especially when the quantities sold by the supplier to cartel firms merely represent a small fraction of his total output or when the degree of competition in the supplier market is high. In such cases one should rather abstract from price and cost effects and primarily concentrate on the direct quantity effect.