

## Measuring and challenging BEPS

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# Outline

- The issue : globalization and mobility
- Observing and measuring BEPS: towards a BEPS Statistics and its use
- Policy challenge
  - Approximating EBEPS and FAIRET
  - How to distribute a taxable value co-generated by at least two countries?

## G20 Antalya meeting

- Les chefs d'Etat et de gouvernement réunis en Turquie ont aussi répété leurs engagements des dernières années sur la coopération entre administrations fiscales, avec pour objectif de <u>mettre en place des</u> <u>systèmes d'échange automatique d'informations</u> dès 2017 et au plus tard avant la fin 2018.
- Le plan de l'OCDE, censé empêcher les grandes multinationales de contourner l'impôt grâce à des stratégies comptables sophistiquées, prévoit par exemple d'<u>obliger les entreprises à détailler leurs résultats et</u> <u>leur charge fiscale pays par pays</u>. Il doit aussi déboucher sur <u>un grand</u> <u>traité multilatéral contraignant</u> contre ces pratiques d'"optimisation fiscale agressive".
- L'OCDE, organisation regroupant une trentaine de pays développés, estime que <u>les ruses</u> rendues célèbres par Google, Apple et autres multinationales <u>privent les Etats de 100 à 240 milliards de dollars de</u> <u>recettes fiscales chaque année</u>.
- Source : LaLibre.be, Nov 16th, 2015

## The issue

- Today MNE decide on
  - How much tax they pay, and
  - How they distribute that amount among countries
- Challenge:
  - how to manage the tax system in such a way governments receive their fair part of the taxable value generated in their respective territory,
  - let us say 34, assuming a tax rate of .34 and a tax base of 100.

### Governments respond

- Mobility of flows as part of globalization
  - Makes MNE's more powerful than each government taken separately
  - But the balance of power may change if those governments cooperate
    - Exchanging information
    - Signing a multilateral treaty or a series of bilateral treaties which expand the authority of governments beyond their domestic territory
    - And if public opinion pushes up reputation costs

# **Observing and measuring BEPS**

- Based on Graphs and Network theory, especially the Dijkstra algorithm (though not necessary in the simple and visual case below)
  - Start with a direct path between a Source in a Permanent Establishment in the Source country, and a Destination in a Head Establishment in the Destination country, as a benchmark
  - Then optimize the path, minimizing the tax liabilities
  - And compare the benchmark and least taxed paths, producing a BEPS statistics

- Let BEL1 be the Source, actually the flow of EBITDA generated in Source, and Dest the Destination, e.g. the last node before entering the US
- Two nodes per country: « in » and « out »
- A Corporate Tax is levied on black arcs/edges « within » the country
- A withholding tax is levied on brown arcs/edges « between » countries

- CIT and WT costs depend on both tax rates and tax bases
  - Examples: deductibility of interests, notional interests (ACE), partial exemption of royalties on patents...
- CIT and WT are costs of using the arcs / edges but those costs might be contingent to the history of the path
  - Going through a tax heaven at some point of the history might rule out the benefit of exemption for dividends

- Multimodality
  - You may change of tax vehicles at any « in » node e.g. turning an interest or a royalty into a dividend
- Examples from the real world
  - Google case study
  - IKEA case study: See <u>http://www.greens-efa.eu/fr/corporate-tax-avoidance-15183.html</u> and <u>http://www.greens-efa.eu/corporate-tax-avoidance-15176.html</u>
  - Mittal case study : <u>http://www.expatica.com/be/news/How-Mittal-paid-</u> <u>14-tax-over-4-years</u> <u>368753.html</u>



### **Observing and measuring BEPS**

BEL1	-> .34 PE	BEL2	-> .00 Profit	-> ->	-> ->	-> ->	-> ->	->US*	V=66 B=34
BEL1	-> .34 Di/PE	BEL2	-> .00 Di/PE	LUX1	-> .00 DP-Di	LUX2	-> .00 Divid	->US*	V=66 B=34
BEL1	-> .00 Roylt	BEL2	-> .00 Roylt	LUX1	-> .06 <b>Ro-Di</b>	LUX2	-> .00 Divid	->US*	V=94 LU=6
BEL1	-> .00 Roylt	BEL2	-> .00 Roylt	NL1	-> .05 <b>Ro-Di</b>	NL2	-> .00 Divid	->US*	V=95 NL=5
BEL1	-> .00 Inter	BEL2	-> .00 Inter	IRL1	->.13 <b>Int-Di</b>	IRL2	-> .00 Divid	->US* ->NL-	V=87 IR=13
BEL1	-> .00 NPE	BEL2	-> .00 NPE	IRL1	->.13 <b>NP-Di</b>	IRL2	-> .00 Divid	->US* ->NL	V=87 IR=13

#### Fair base vs BEPS

- A Belgium entity generates a taxable value of 100 => 34 for Belgov and 66 for shareholders; no further tax till reaches the US Umbrella (e.g. Bermuda). Let us note 34/66
- But that taxable value might be offset by
  - Royalties -> Lux (t=.06)-> into div => 00/94
  - Royalties -> Neth (t=.05) -> into div => 00/95
  - Interests -> Irl (t=.125) -> into div => 00/87.5
  - Benefits of non permanent establishment ->Irl (t=.125) -> into div => 00/87.5

#### At the end

- MNE has decided
  - How much it pays as tax
    - Between 5 and 34
  - How it distributes that payment among countries
    - 34 for Belgium vs. 5 for The Netherlands

#### A BEPS Statistics

- Define FAIRET as a fair effective tax rate based on internationally admitted principles, like the right to tax is allowed to the origin country of the taxable value
- And MinET as the effective tax on the least taxed path

$$EBEPS = \frac{FAIRET - MinET}{FAIRET}$$
$$= \frac{34 - 5}{34} = .8529$$

#### Extensions

- We can associate an EBEPS to each path of our matrix above, respectively : (0/34)=0; (28/34)=.8235; (29/34)=.8529; (21,5/34)=.2122
- And generalize to complex graphs and networks using sums of logarithms

$$V' = \sum_{i=01}^{D^2} \ln(1 - t_i) \Longrightarrow V = \exp(V')$$

# Policy Challenge

- How to design the international tax system in order to approximate EBEPS and FAIRET?
  - Dividends: no ACE, align on Permanent Establishment
  - Interests: reduce deductibility through
    - Moving to CBIT (or study reshaping ACE)
    - Adopting thin capitalization rules, like a max ratio D/E, or
    - Adopting a max % of interests deductible against EBITDA
  - Royalties: abolish exemption and possibly replace it by a tax credit for local research

# Policy Challenge

- How to distribute a taxable value co-generated by at least two countries?
  - In the OECD approach transfer prices seem to remain an issue (marginally manipulating the transfer price is still an avenue for BEPS despite obligation of more documentation / exchange of information)
  - Use that improved doc. / exch. of info) to move to a EU-like CCCTB approach i.e. F&A? See EU June package and proposal of directive on tax avoidance; debatted: cash flows with destination principle (sales); from CIT to Value Added Corporate tax
  - In any case information quality and quality checking will remain an issue.

#### Thank you for your attention Questions are welcome

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