



EIB CARBON FOOTPRINT METHODOLOGIES

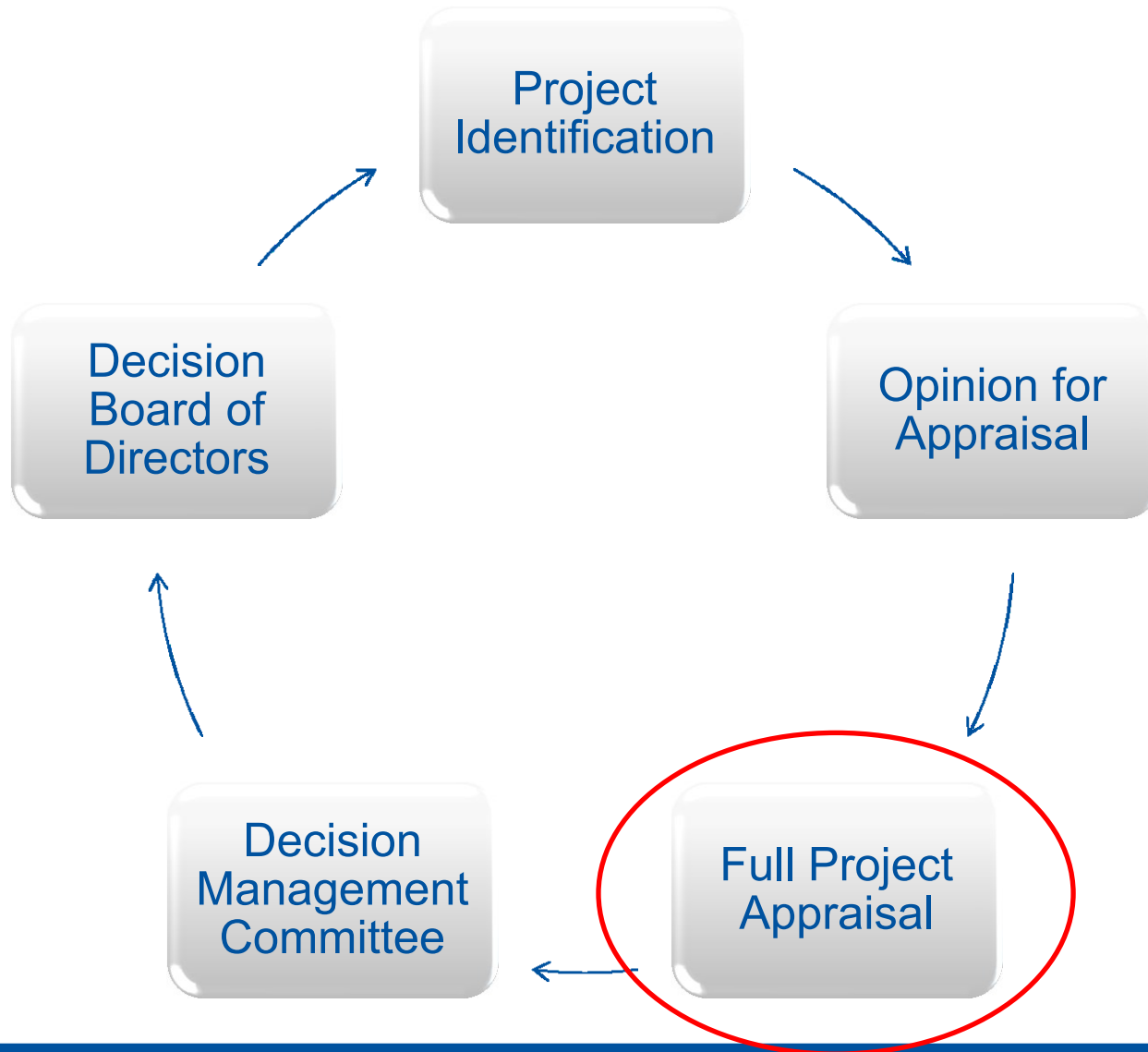
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Introduction

- ❖ 3-year pilot complete (2009-2011)
- ❖ 6 years of CF work now analysed
- ❖ Emissions calculated for projects at appraisal
- ❖ Emissions are reported each year on basis of lending volume i.e. Finance contracts signed.
- ❖ V 10.1 of the Methodologies is now public (in 2012 it was put on EIB website and shared with interested NGOs)
- ❖ Absolute and Relative figures for projects are published on EIB's public register
- ❖ Audited for last 2 years as part of EIB's sustainability audit

EIB project cycle





Mainstreaming cf into project appraisal

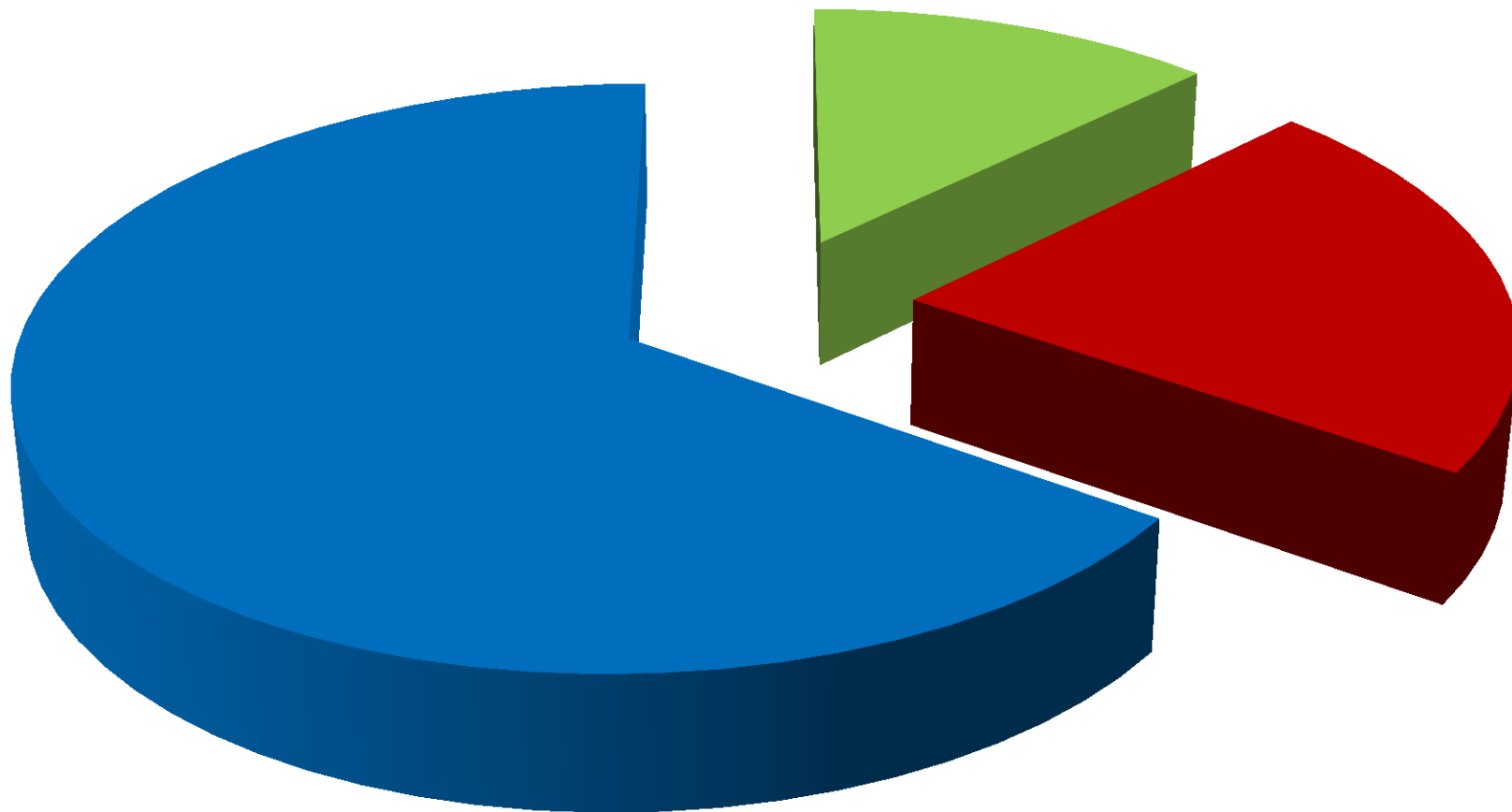
Project appraisal

- Financial viability
- Technical feasibility
- Economic assessment
- Environmental and social assessment

Carbon Footprint

- Part of the environmental and social assessment
- Data drawn from the economic assessment

Scope of the exercise - signatures



■ Framework Loans

■ Intermediated lending

■ Investment Loans

What is assessed?

- ❖ Projects having undergone a full appraisal
- ❖ Scope 1 & 2 emissions for all projects
- ❖ Scope 3 emissions for certain transport infrastructure projects – e.g. road & rail and some networks
- ❖ Projects that may reach the established thresholds:
 - 100,000 tonnes CO₂e for absolute emissions

And/or

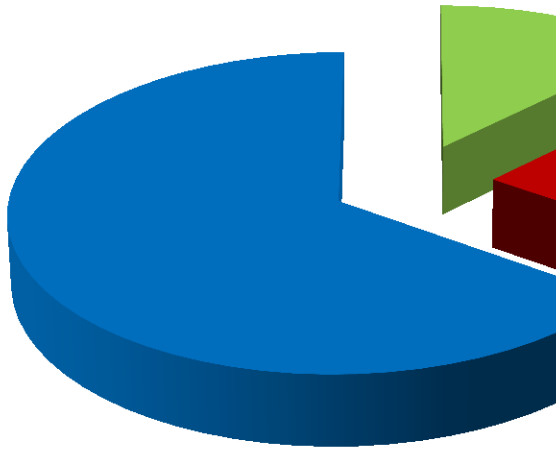
- 20,000 tonnes CO₂e for relative emissions

Terms:

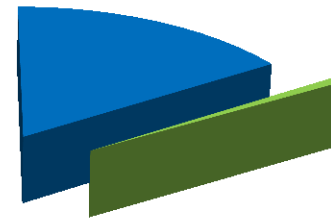
- ❖ Absolute emissions – emissions generated by the project (gross emissions)
- ❖ Relative emissions – absolute minus baseline emissions (normally!...)

Scope of the exercise – Why Have Thresholds?

Total Portfolio



CFE Portfolio



= approx 95%
investment loan
emissions

Projects to be assessed

The typical projects assessed and included in the exercise are as follows:



- Energy generation projects
- Road & Rail Projects
- Heavy industry projects



- Solid waste and wastewater
- Urban public transport (metro)
- Energy network projects

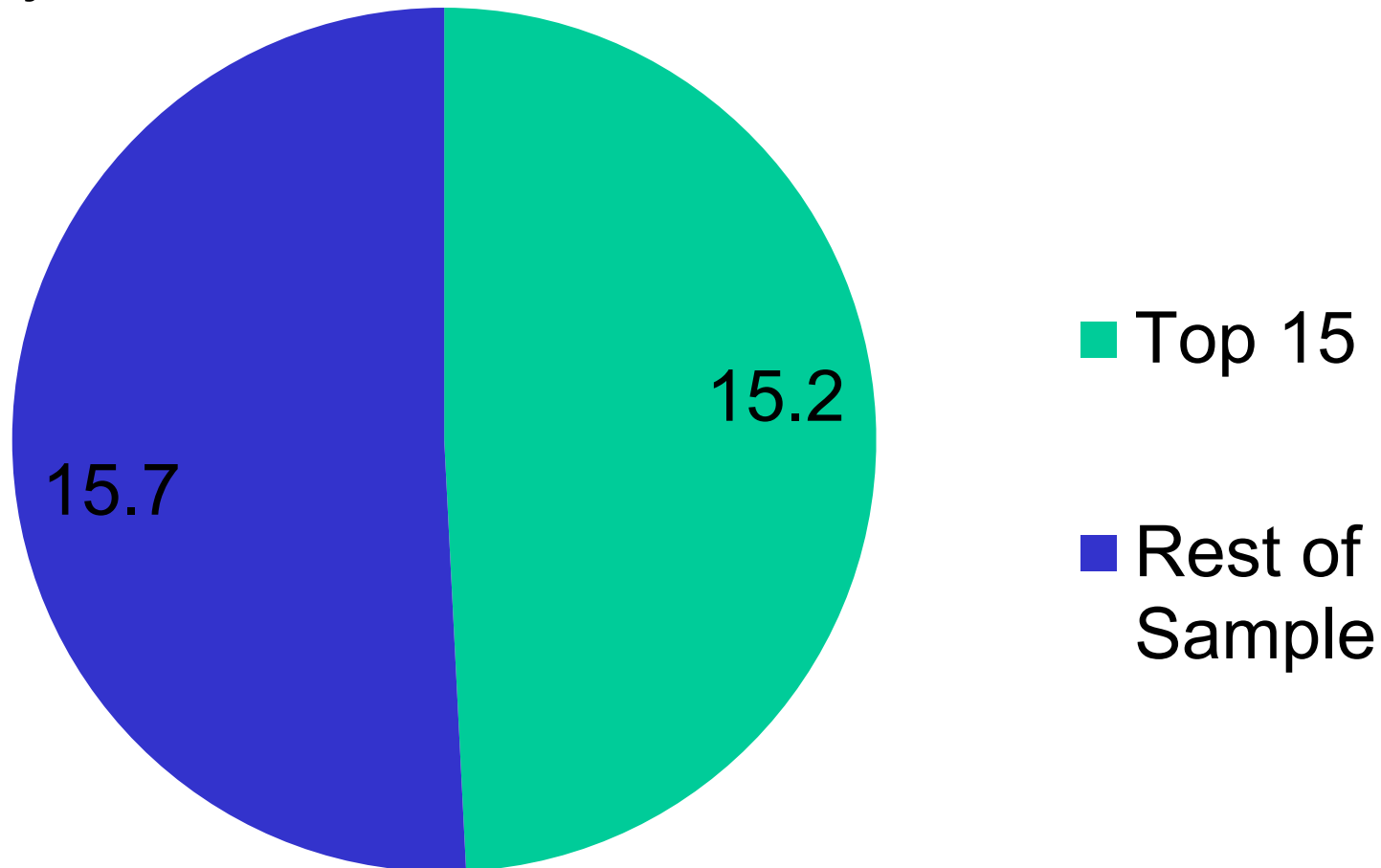


- Education and health services
- Telecoms
- RDI projects
- Traffic control systems



Top 15 of 178 relative emission projects (Mt CO₂e)

4 out of the top 5 AE projects are in the top 15 RE projects



Regional distribution – BEWARE OF SAMPLE SIZE



Region	Project No	AE (m/tonnes)	AE per project	RE (m/tonnes)	RE per project
ACP	6	1	0.11	-2	-0.29
ALA	7	8	1.08	-2	-0.35
EU	141	64	0.45	-24	-0.17
Mediterranean Countries	13	10	0.73	-2	-0.13
PreAccession Region	8	3	0.33	-1	-0.09
Russia, E Europe and S Caucasus	2	2	0.98	0	-0.25
South Africa	1	0	0.23	0	-0.04
Grand Total	178	87	0.49	-31	-0.17



IV. Conclusions

Pilot Conclusions

Lots of work completed under CF:

- ❖ Methodology developments
- ❖ Development of sector tools
- ❖ Mainstreaming into project appraisal
- ❖ Alignment of methodologies across PJ sectors
- ❖ Analysis of results and development of indicators – work ongoing.

But it is a constantly evolving subject and a lot of work is still going on in the IFI working group started in 2008 In 2015 – a major harmonisation effort – starting with RE, EE and Transport. Driven additionally by increased transparency on numbers.

EIB CFE Conclusions

What have we learned from the carbon footprint database:

- ❖ Absolute emissions are dominated by a few high emitting projects – due diligence should focus on these
- ❖ Relative emissions – portfolio shows overall emissions savings but a lot of time can be spent on baseline discussions
- ❖ Care needed in interpretation of the results e.g. industry project in country with carbon-intensive grid.
- ❖ Simple rules of thumb that can be replicated easily by EIB experts and that can be communicated effectively are the best option
- ❖ Carbon footprint can be useful in determining what counts as climate action – allows EIB to refine criteria
- ❖ Ensure to highest extent possible consistency with economic analysis and CDM methodology
- ❖ Harmonise with other “footprinting” organisations as much as possible to avoid difficulties when data is published



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