



Contributing to development of adequate MRV of Sustainable Urban Transport

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European Bank
for Reconstruction and Development

EBRD in the Transport Sector



DEVELOPMENT OF MRV FOR SUSTAINABLE URBAN TRANSPORT PROJECTS

MRV Methodologies

- Under the carbon mechanisms (JI/CDM) various methodologies have been developed that look at the GHG emission reduction impact.
- Various CDM Methodologies: (AMS-III.C., AMS-III.T., AMS-III.S., AMS-III.AA., AMS-III.AK., AMS-III.AP., AMS-III.AQ., AMS-III.AT., AMS-III.BC., AM0090, AM0110, AMS-III.U., ACM0016, AM0031)
- To date, 34 CDM transport projects (1 Mio. CERs issued) of 8700+ of total projects

Known issues:

- Additionality: Large Infrastructure projects, little carbon impact on financials due to low carbon prices
- Long implementation time
- Complex baseline situations result in challenging MRV setup
- High transaction costs in relation to carbon emission reductions

EBRD sponsors the further development of MRV Methodologies

- Understanding carbon impact transport projects is increasingly important for stakeholders.
- Also learning to understand other externalities (Nox, particles) and social co-benefits and the relationship with the GHG emission reductions, potentially offering a rationale in due time for an adjusted transport carbon credit.
- A robust review of the GHG emission reduction impact may also help to increase a projects understanding and may help to improve its design.
- Contributing to the further methodological development may help to identify where MRV costs may be saved, however more work is necessary.

EBRD Case Studies



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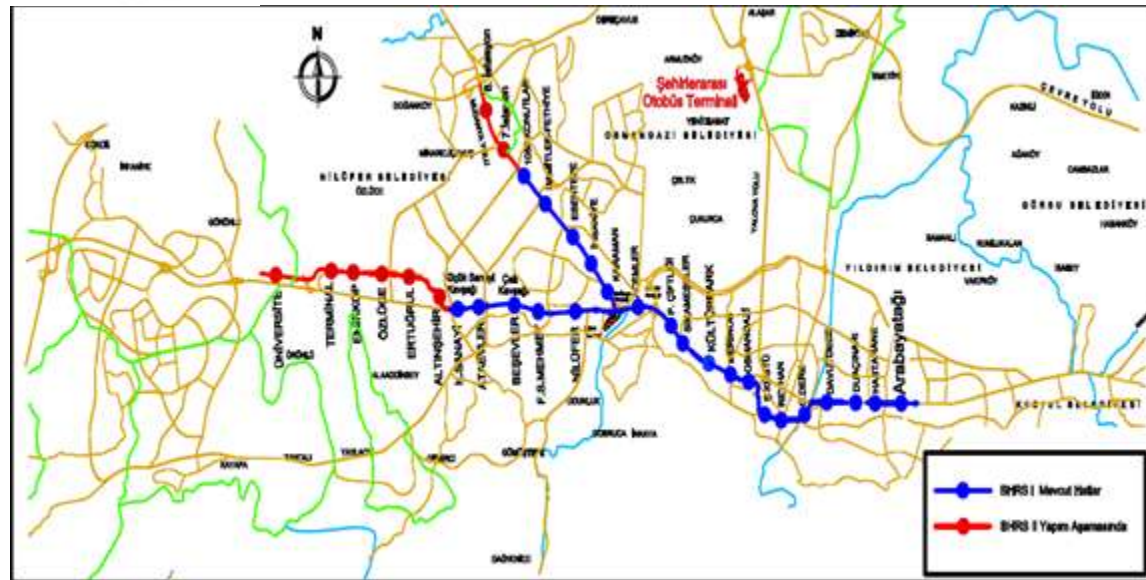
Warsaw Metro Extension Pilot Project (14.9 kt/yr)

- Kyoto mechanism (JI)
- Developed new methodology, defined by JI SSC project conditions.
- Small scale only (up to 60 kt CO₂/yr)
- More flexibility towards additionality
- Less complex monitoring

Warsaw Metro Extension Pilot Project, Poland

Bursa Light Rail System (BLRS) II (14.7 kt/yr)
 Voluntary Emission Reductions market
 (Verified Carbon Standard)
 Is based on the UNFCCC methodology
 ACM0016 for Mass Rapid Transit
 Projects ACM0016
 Currently in monitoring phase

Bursa Light Rail System (BLRS) II, Turkey



Contact



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For all further enquiries, please contact:

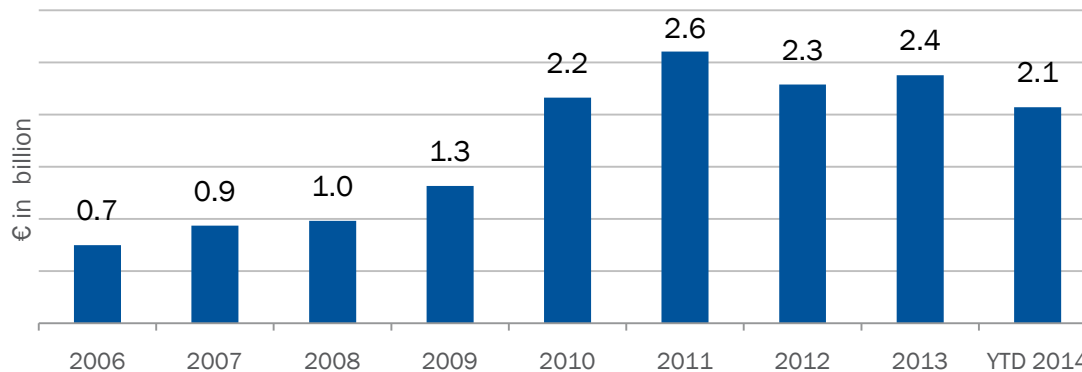
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The EBRD's SEI investment activities between 2006 – YTD 2014*

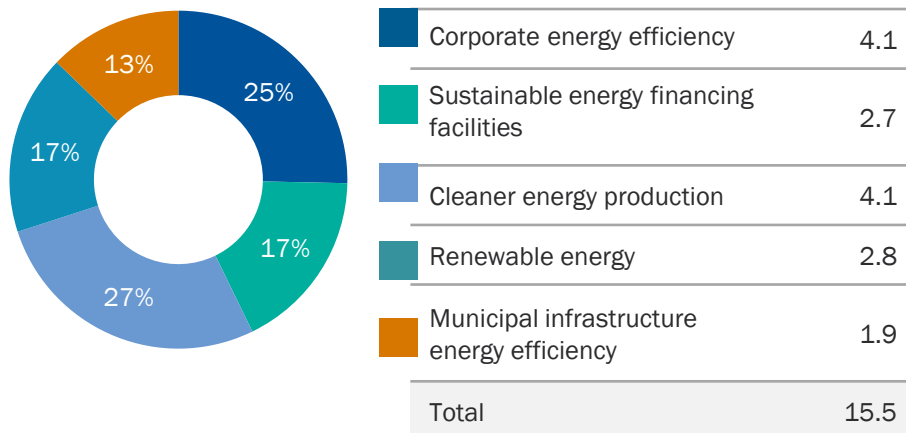
SEI ABV since 2006 (€ in billion)



€15.5 billion

Invested in **884 SEI projects** between 2006 and YTD 2014
69 m tonnes CO₂/y of emissions reduced

SEI by business area (€ in billion)



SEI by region (€ in billion)

Russia	3.2
South-Eastern Europe	2.9
Eastern Europe and the Caucasus	2.9
Central Europe and the Baltic	2.7
Turkey	1.8
Central Asia	0.9
South and Eastern Mediterranean (SEMED)	0.5
Regional	0.6
Total	15.5

* By end of November 2014