



PROGRAMME FUNDED BY THE EU



INOGATE New ITS Project Sustainable Energy Work Program

BUILDING PARTNERSHIPS FOR ENERGY SECURITY

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INOGATE New ITS Project



Summary of INOGATE Work Program for Sustainable Energy (Component C)

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for ITS Component C Communication Workshop

Baku, 4 April 2013

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Sustainable Energy



- Sustainable energy is
 1. Energy efficiency (EE)
 2. Renewable energy sources (RES)
- Spend the interest, not the principal.
- Mandate from European Commission: “Improve the environment for investment in sustainable energy (SE).”

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What ITS offers in SE



- Tools:
 1. Technical assistance (demand driven)
 2. Capacity building
 3. Awareness raising
- Implement from
 - top down
 - and - bottom up

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Azerbaijan inception findings



- Top-Down
 - Strong interest in wind energy (RES)
 - Bad access to grid is blocking investments
 - Strong interest in transport sector (EE/RES)
- Bottom-UP
 - DH: Excellent progress in efficiency, want more
 - Need technical assistance with feasibility studies

ITS may offer



- TA to develop legislation to support SE
- TA to create action plan with investment targets
- Capacity building in SE for local banks
- Awareness raising & TA in major sectors (excluding buildings)

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What are the major sectors?

1. Industry
2. Transport
3. Buildings
4. Energy
5. Other

- In AZ: Transport = 25% of total energy
- Energy sector also large
- Buildings – 3rd place
- Industry - small



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The Case for Energy Sector



EE – Cogeneration:

- Double the energy output
- Brazilian example

RES – Green sources:

- Distributed generation grid access
- Biofuels
- Indonesian example
 - Sumba Island goal: 100% on RES by 2025

The Case for Transportation

Automobiles:

- Safe driving (saves lives, too)
- Traffic management
- Biofuel
- Power of regulation

Railroads:

- Passenger transport 50% more efficient
- Freight transport 5 x more efficient



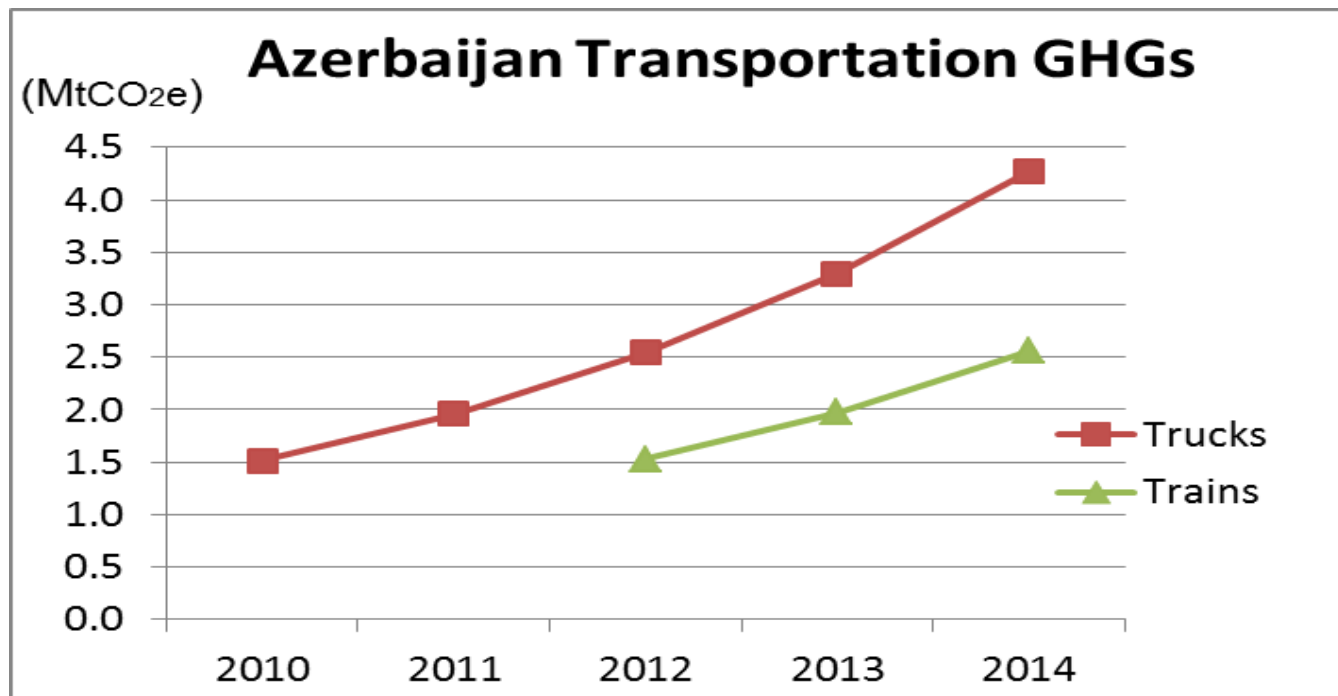
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Transportation (cont.)



If AZ could transfer $\frac{1}{2}$ truck freight to trains



Requires ~ 30 million EUR/yr investment

ITS Activities



- Baseline survey of EE/RES legislation
- Online data base
- Ad hoc expert facility (AHEF)
- Stakeholder mapping
- Communication workshops
- Study tours
- Technical workshops

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Results & Indicators



Rule: Every ITS action must show ***concrete results***.

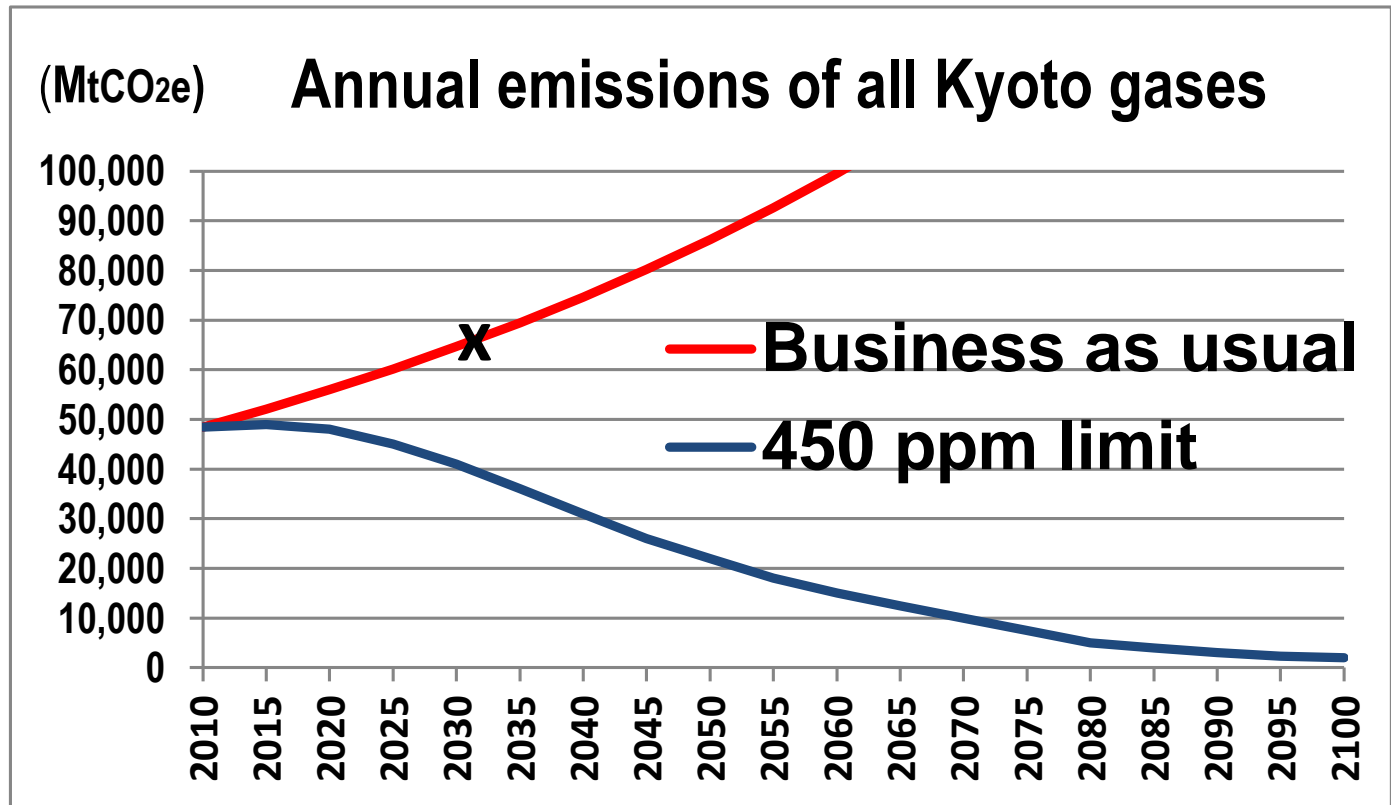
Example: National SE investment plan

- ITS may
 - Advise up to 50 days consulting
 - Establish budgets
 - Establish tasks and roles
- AZ may
 - Form committee to make plan
 - Agree to implement plan

OECD plan shows urgency

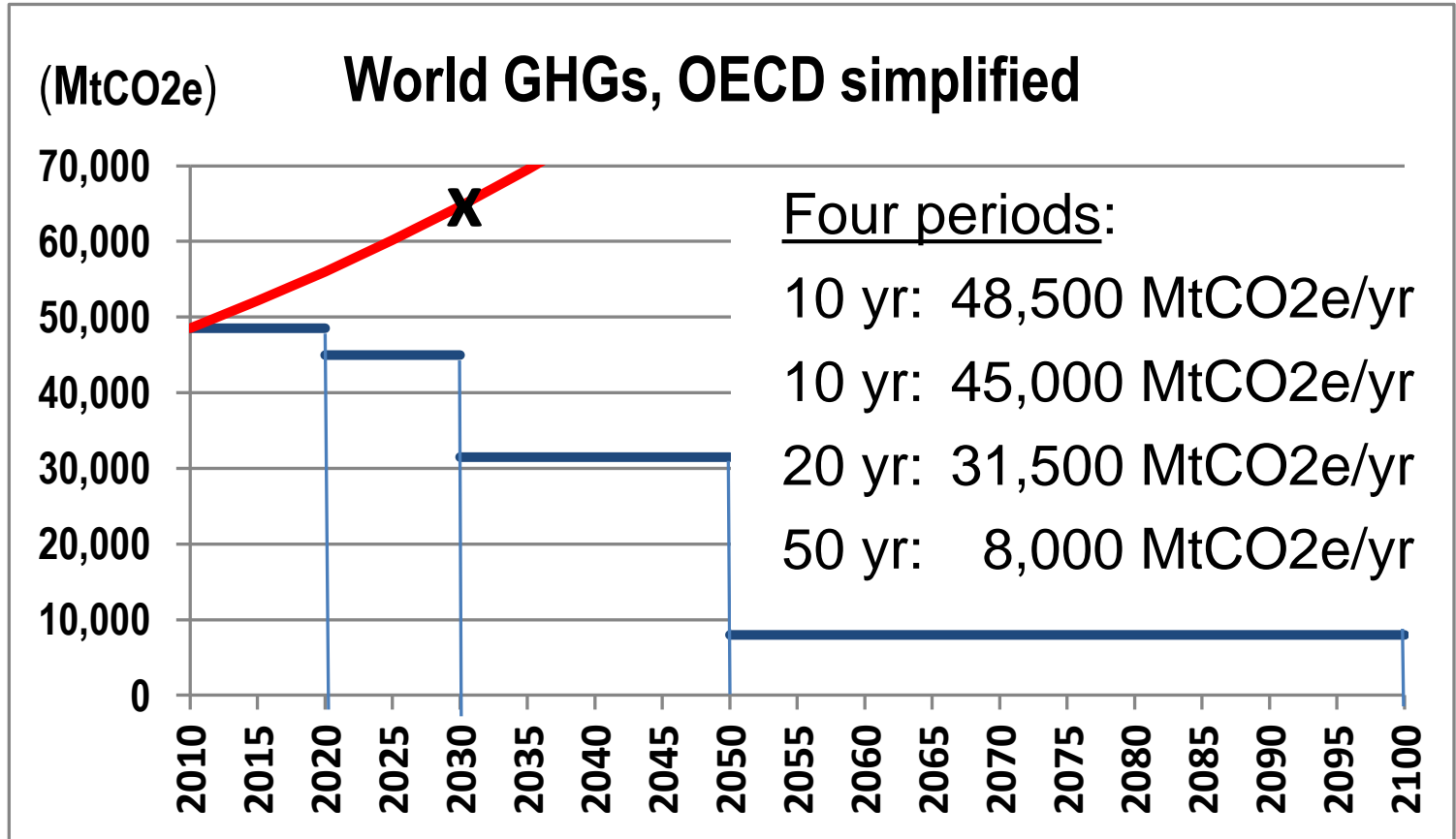


Avoid tipping point (x) with 450 ppm limit.



for AZ: € 250 million per year

OECD Plan, Step by Step



Simplified, shown by average in period

Who does the work?

Component C Experts



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