TGP-EEDP
Thai - German Programme on Energy Efficiency Development Plan

"The importance and role of Energy Efficiency Indicators to assess and realise energy efficiency potential"

Energy Policy and Planning Office
MINISTRY OF ENERGY

Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

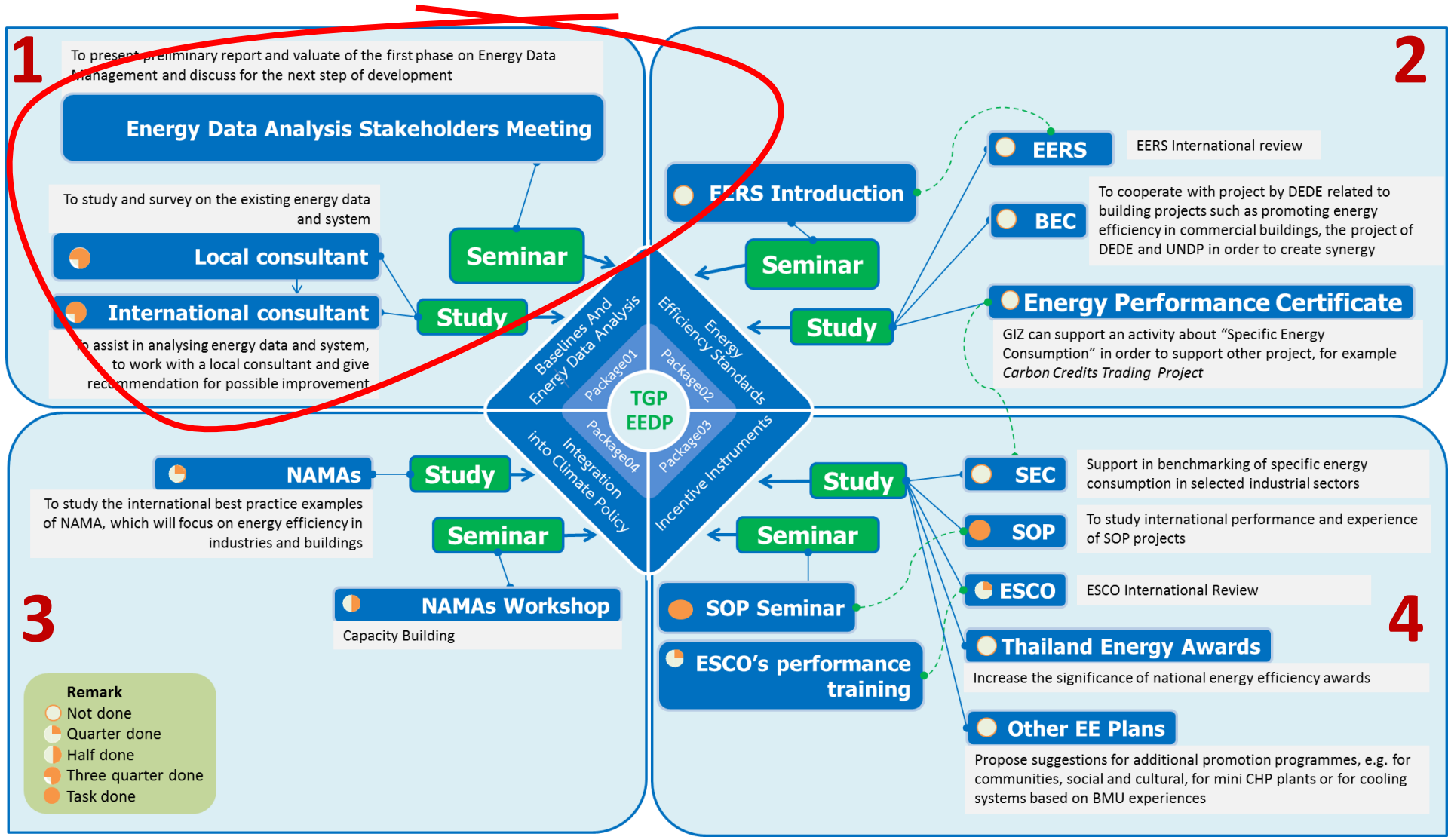
TGP-EEDP: Main Objective

Support the implementation of the Thai Energy Efficiency Development Plan (EEDP)

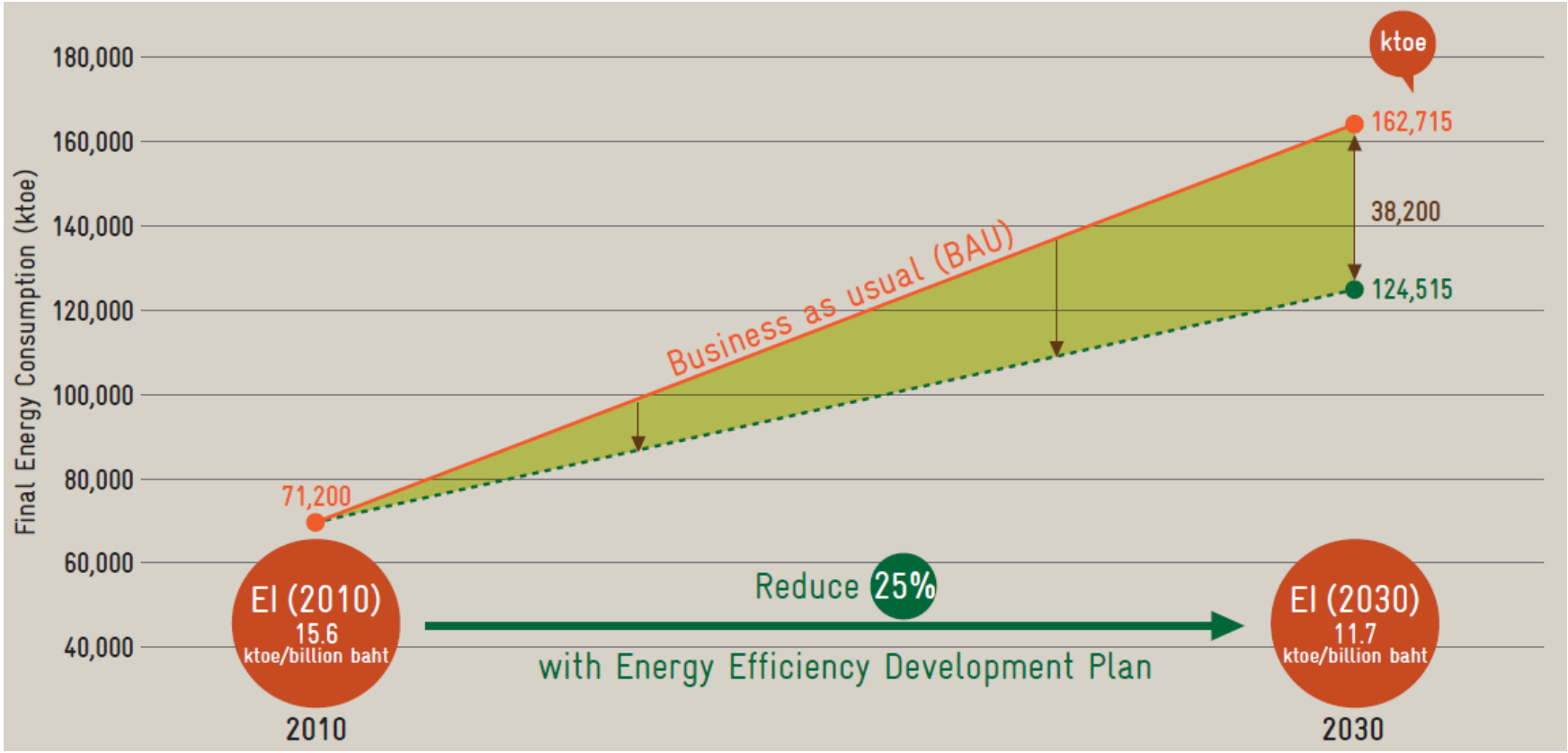
….. based on incentives and standards which will have a direct impact on CO_2 emission reduction

Other Project Partners	• Thailand Greenhouse Gas Management Organization (TGO) • The Department of Alternative Energy Development and Efficiency (DEDE)
National Project Supporting Partner	• Joint Graduate School of Energy and Environment (JGSEE), KMUTT
International Project Supporting Partner	• Wuppertal Institute (WI), Germany

TGP-EEDP: 4 workpackages

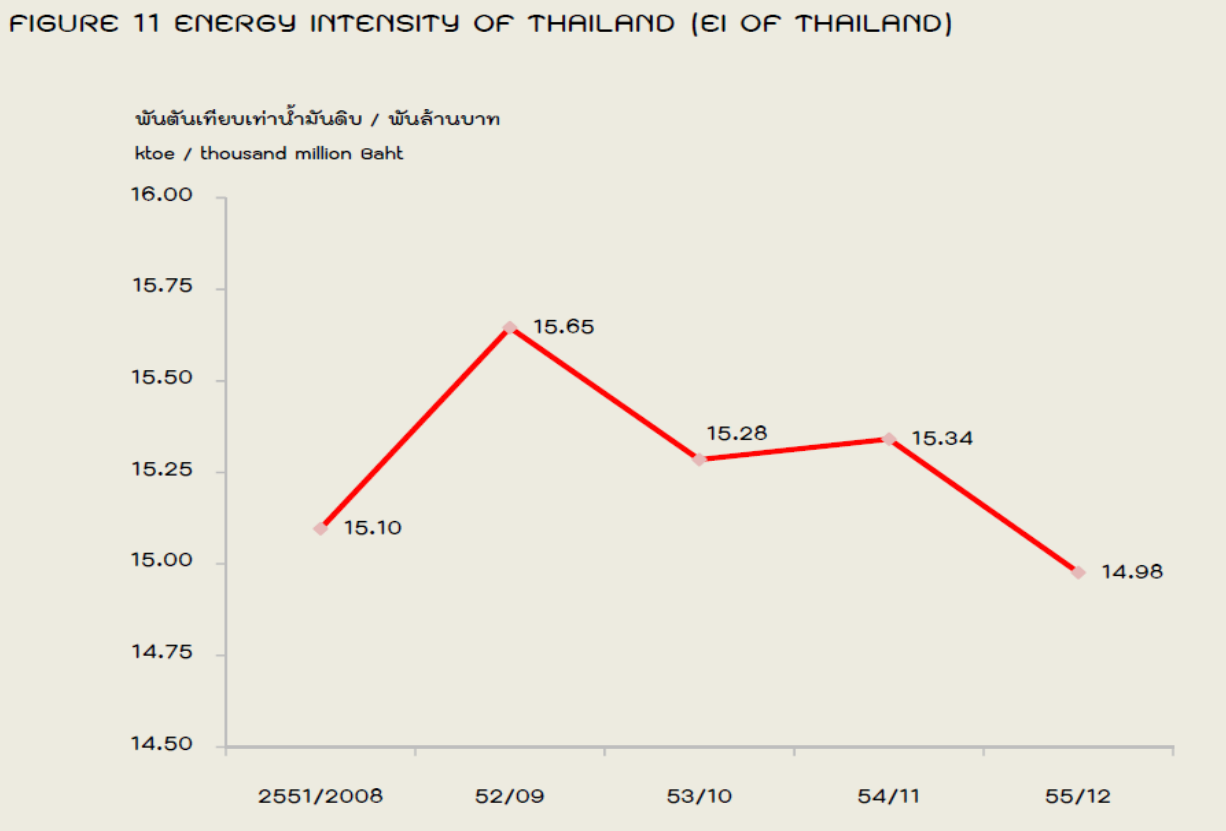


Why Energy Efficiency Indicators?



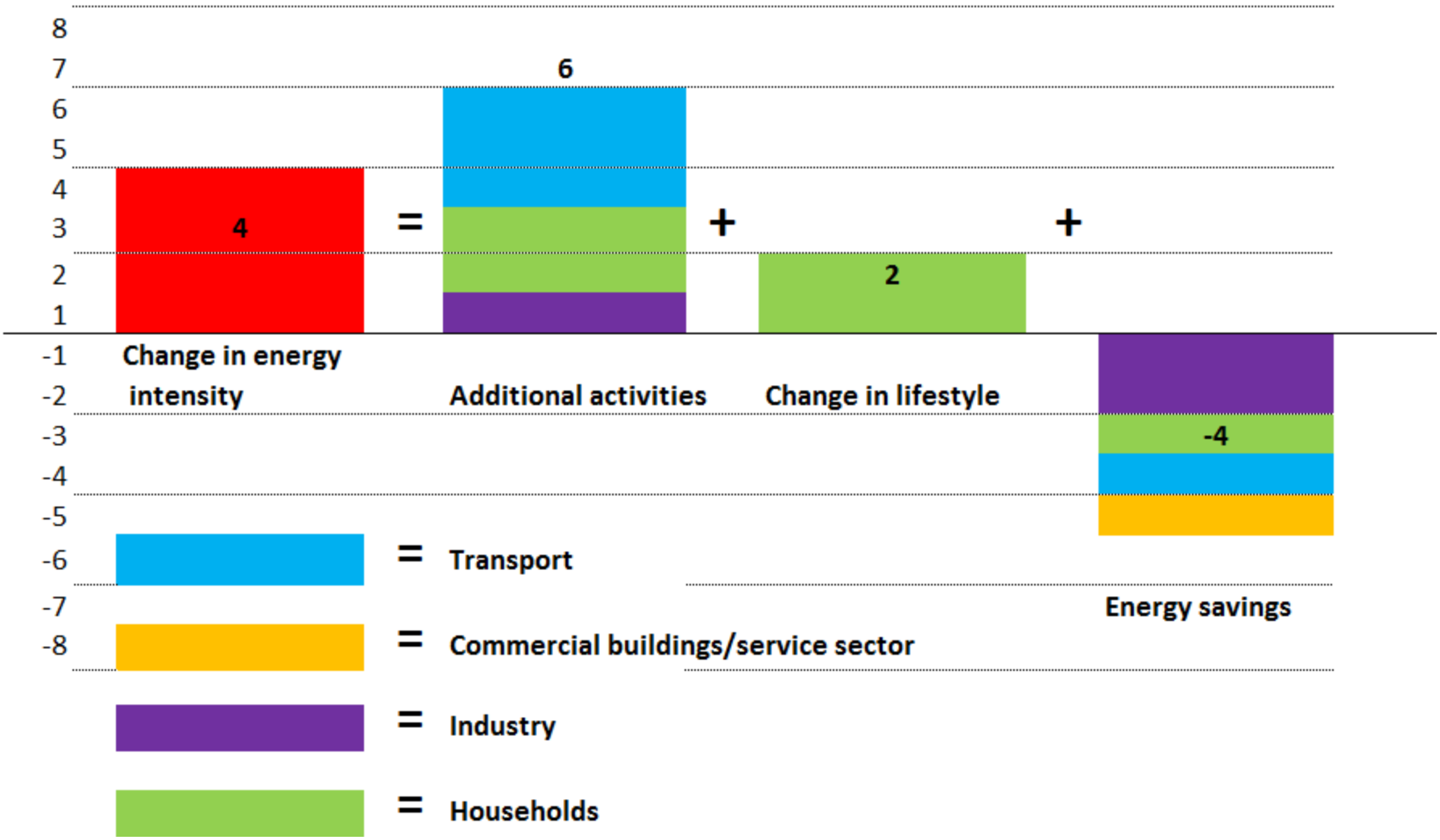
- Energy Intensity (on a national, overall level), is an example of an Energy Efficiency Indicator
- Energy Efficiency Indicators combine energy consumption statistics with data on economic activities

Why Energy Efficiency Indicators?

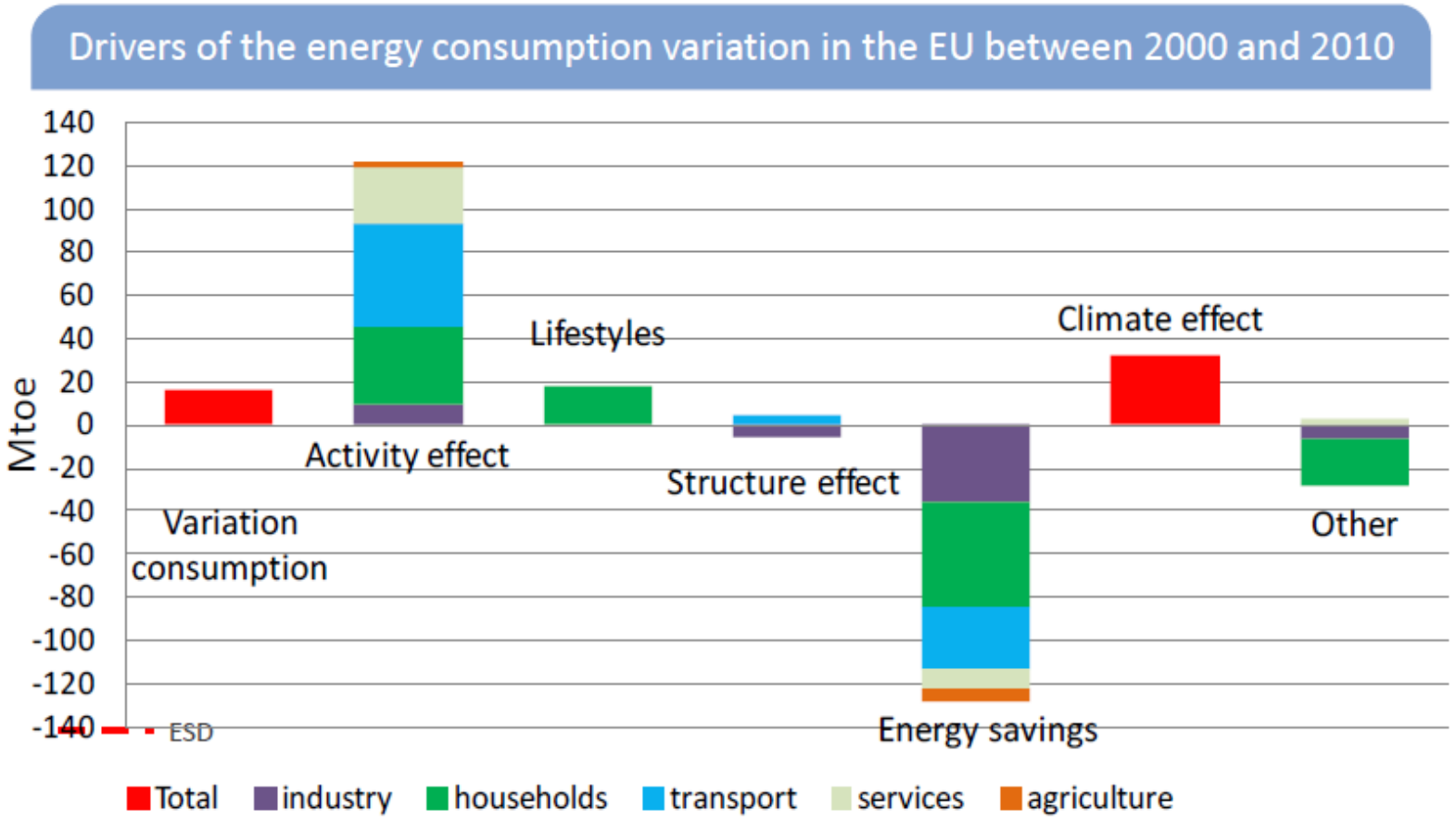


- National Energy Intensity on it's own, can say little about where energy efficiency is changing and why
- Energy Efficiency Indicators can help understand development in energy efficiency and support monitoring & evaluation of EEDP

Why Energy Efficiency Indicators?



Why Energy Efficiency Indicators: EU example

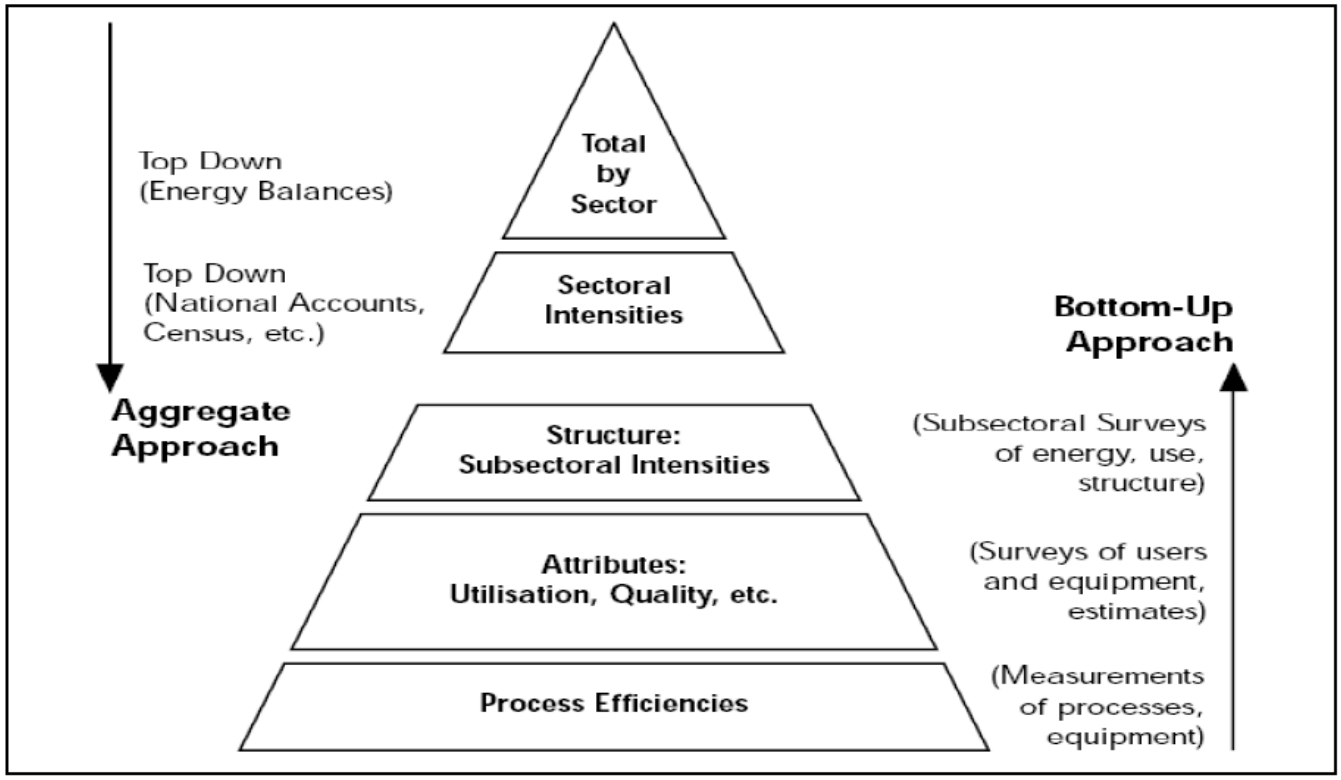


- In the EU, all countries collect data for Energy Efficiency Indicators and use these to understand energy efficiency development and for benchmarking

Why Energy Efficiency Indicators?

- Energy Efficiency Indicators:
  - can help to monitor progress in energy efficiency
  - can help to get a better understanding of different factors influencing energy efficiency
  - can help to set priorities for energy efficiency policies

Why Energy Efficiency Indicators?



- Energy Efficiency Indicators can be as detailed as available energy data
- Both “top-down” and “bottom-up” data can be used, also in combination

Why Energy Efficiency Indicators?

- Several international initiatives in developing Energy Efficiency Indicators:
  - EU database Energy Efficiency Indicators
  - IEA will release method and manual soon
  - Worldbank efforts in developing energy efficiency indicators in developing countries
- Developing energy efficiency indicators for Thailand would be timely -> look for connection with international initiatives (IEA?)
- Thailand has good energy data and economic data available

State of affairs
Energy Efficiency Indicators project

	Activities	M1	M2	M3	M4	M5	M6	M7
1	Analyse availability of energy data in Thailand							
2	Analyse accessability of energy data in Thailand							
3	Analyse usability of energy data in Thailand, especially for development of Energy Efficiency Indicators							
4	Organise stakeholder meeting, inviting international consultant							
5	Input from international consultant: review and recommendations for development of Energy Efficiency Indicators in Thailand							
6	Final report							
	Phase 2?							
1	Develop set of energy efficiency indicators for Thailand?							
2	Disseminate results of developin set of energy efficiency indicators for Thailand?							
3	Organise IEA training in energy efficiency indicators?							

Aim of today's workshop

- To discuss interim findings of energy data analysis with stakeholders
- To disseminate international experience with energy efficiency indicators
- To disseminate Thailand experience to international consultant
- To discuss usefulness of developing energy efficiency indicators and possible next steps

Thank You – Kop Khun Kah – Danke Schön