

**35** years  
años

# Adviesbureau voor Energiestrategie Energy Strategies for Sustainable Development

**Supporting  
Sustainable Energy Development world-wide  
since 1991**

**Adviesbureau voor Energiestrategie  
Energy Strategies for Sustainable Development**

**Ter Aar, the Netherlands – Asunción, Paraguay**

**May 2026**



## The challenge: Use it wisely

This is the Voice of Energy  
I am a giant electrical generator  
I supply you with light and power  
And I enable you to receive Speech,  
Music and Image through the Ether  
I am your servant and master at the same time  
Therefore guard me well  
Me, the genius of Energy

– Kraftwerk, 1975



## Identity and Mission

Adviesbureau voor Energiestrategie (AES) is a Research and Consulting Office established in 1991

The main objective of the office is to contribute to sustainable energy development world-wide, with a specific focus on the implications of energy policies and systems on the environment and on human development

AES is a professional organisation, addressing energy and sustainable development in a strategic way

The activities of AES are guided by the motto:

***Energy Strategies for Sustainable Development***



## **Organisation and Modus Operandi**

- Dipl.-Ing. Wolfgang F. Lutz, MA, founder-owner and director of AES, is an internationally recognised expert in energy and sustainable development
- AES cooperates on a regular basis with experts, consulting firms and research institutes world-wide
- Since its establishment in 1991, AES has assumed a pioneer role in advancing sustainable energy development in emerging economies and transition countries



## **Guiding Principles**

- Professional and intellectual independence
- High-level expertise and professional competence
- Active partnership with clients and cooperation partners
- Promotion of sustainable energy policies, programmes and projects
- Synergy of theoretical know-how and practical experience
- International cooperation with experts and organisations at fair and transparent terms



## **Main working areas**

- Sustainable energy policies, strategies and programmes
- Energy efficiency
- Renewable energy and rural energisation

## **Specific expertise**

- National energy efficiency policies and plans
- Energy efficiency laws and regulations
- Energy efficiency standards & labelling
- Industrial and building energy efficiency
- Energy management



## **Services**

- Energy policies and strategies
- Sustainable energy programmes and projects
- Renewable energy and rural energisation
- International energy policy dialogue and know-how transfer
- Research and expertise

## **Clients and projects**

- Clients and projects in more than 40 countries
- Our clients are international organisations, government entities, research institutes, NGOs and private enterprises



**Focus on emerging economies and transition countries**



**Latin America & Caribbean, Central & Eastern Europe,  
Southern Caucasus, South-East Asia, North Africa**



## Our clients and cooperation partners

APRUE Algeria  
INTEGRATION environment & energy UN-ECLAC  
SNE Panama EBRD  
Energy Charter Secretariat GIZ  
ICF International B.&S.U UNDP Waide Strategic Efficiency  
EXPLICIT SAEE Ukraine IEA EXCENCI  
Junta del Acuerdo de Cartagena Expertise France IIEC MINEM Peru  
LBNL The World Bank PTB CLASP  
BEPTE SINAE SEN Honduras ME Algeria CNE Chile  
Secretaría de Energía Argentina  
Steengroeve Winterswijk GOPA Worldwide / GOPA Infra  
European Commission  
VOSSLOH Metal Works IT Power OLADE IBF International  
Bakela Corporation E2BIZ MOPC Paraguay Energomanagement Pro  
European Parliament MoE Chile NEPO Thailand ESENERG  
CONUEE Mexico EEAS NIFES Consulting Group  
University of Twente  
REVELLE Group Celulosa Arauco y Constitución S.A  
PRIEN Universidad de Chile GISE Universidad Nacional de Asunción



## **Some current and recent activities**

- Low-GWP air conditioners and refrigerators and energy efficient cooking appliances in Panama
- National Energy Efficiency Strategy of Panama
- Advice to Caribbean OCTs Resilience, Sustainable Energy, Marine Biodiversity Programme (RESEMBID) of the European Commission
- Relaunch of energy efficiency standards & labelling programme of Algeria
- Implementation of energy efficiency standards & labelling programmes in Central America
- National energy agendas of Belize and Grenada
- Energy benchmarking, labelling and certification of public buildings in Mexico
- Transposition of EU energy labelling and ecodesign legislation in Ukraine
- Promotion of energy efficiency and renewable energy in Eastern Europe and Southern Caucasus
- Energy Efficiency Strategies and Action Plans of Antigua & Barbuda, Chile and Paraguay



## **Some past activities**

- Research on energy efficiency standards & labelling programmes in Latin America
- Energy efficiency standards & labelling programmes in Algeria, the Andean Region, Argentina, Chile, Mexico, Peru and Russia
- Training courses on energy efficiency standards & labelling, energy audits & management
- Rural energisation programmes in Bolivia, Ecuador and Paraguay
- Research on renewable energy programmes and projects in Latin America
- Inter-parliamentarian dialogue EU – Latin America on the Promotion of Energy Efficiency
- Advice to the THERMIE Programme of the European Commission with regard to the promotion of innovative energy technologies in the European Union and technology transfer to third countries
- Advice to energy efficiency programmes of Thailand and Chile



## Achievements 2015 – present

2025/26 – Energy efficiency standards for domestic cooking appliances in Panama

2023/24 – Energy efficient and low-GWP refrigerators and air conditioners in Panama

2021/22 – National Energy Efficiency Strategy of Panama published

2019–2021 – Strategy for the Energy Efficiency Standards & Labelling Programme of Algeria

2017 – Implementation Guide for Energy Efficiency Standards & Labelling Programme of Panama

2016–2018 – EU Ecodesign Directive and Regulations transposed into Ukrainian legislation

2016 – Sustainable Energy Information Centres operational in Georgia and Moldova

2015 – Publication "Energy Efficiency Standards and Labelling in Latin America – the issue of alignment and harmonisation"



## Achievements 2004 – 2014

2014 – Energy benchmarking system for Federal public buildings applied in Mexico

2013 – EU Energy Labelling Directive and Commission Delegated Regulations transposed into Ukrainian national legislation

2012 – Sustainable Energy Action Plan of Antigua & Barbuda published

2011 – Regulatory Impact Assessments for refrigerators (in Chile and Mexico) and for air conditioners (in Mexico)

2011 – Regulation 97/2011 establishing procedures to determine product minimum energy performance standards in Chile


2009/10 – Virtual training courses on Energy Efficiency Standards & Labelling in Latin America and world-wide

2007/08 – Energy Efficiency Standards & Labelling Programme of Argentina enhanced and relaunched


2004/05 – National Energy Efficiency Programme of Argentina relaunched



## **Achievements 1995 – 2003**




2003 – Guidelines and Options for the National Energy Conservation and Efficiency Programme of Argentina



2000–2004 – In-depth reviews of energy efficiency policies and programmes of Poland, Hungary, Bulgaria, Romania and Croatia published



1996 – Strategy for Energy Efficiency Standards & Labelling in the Andean Region



1995 – Training manual on energy management in industry applied by Energy Conservation Centre Thailand

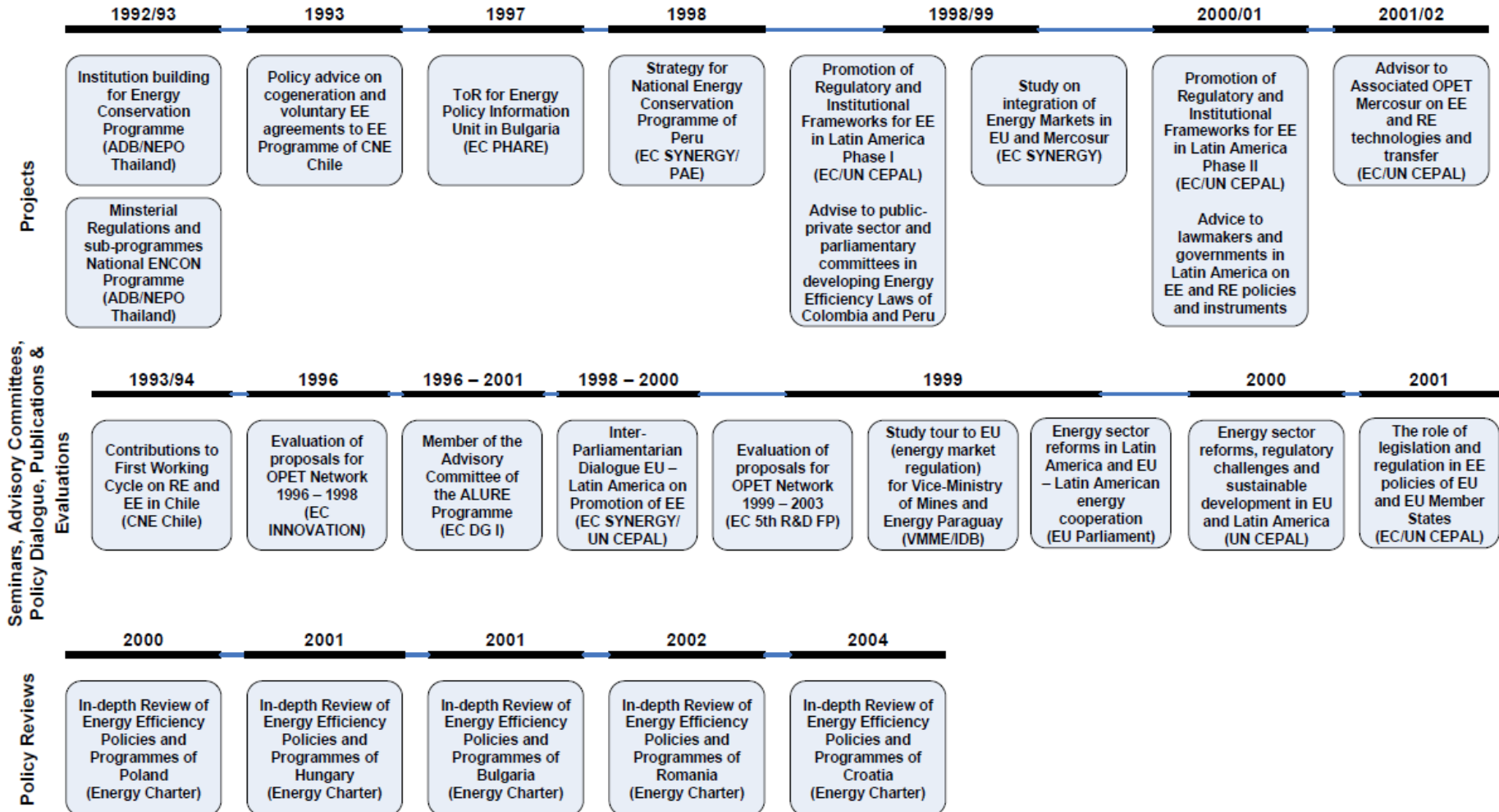


## **Timelines of projects and related activities**

- Sustainable energy policies, strategies & legislation
- Energy efficiency standards & labelling
- Energy audits, energy management & technologies
- Renewable energy & rural energisation



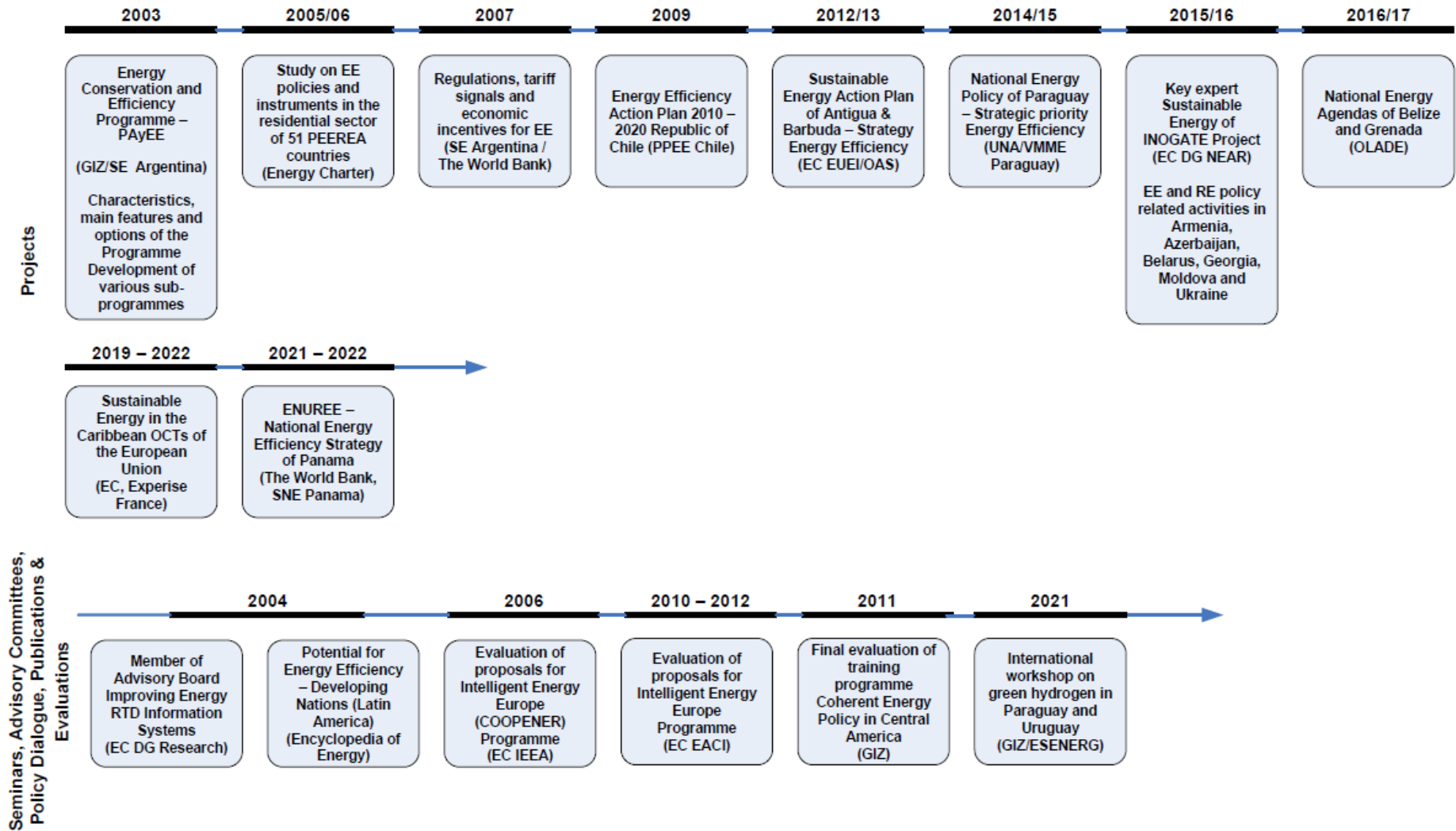
### Sustainable Energy Policies, Strategies & Legislation





### Sustainable Energy Policies, Strategies & Legislation

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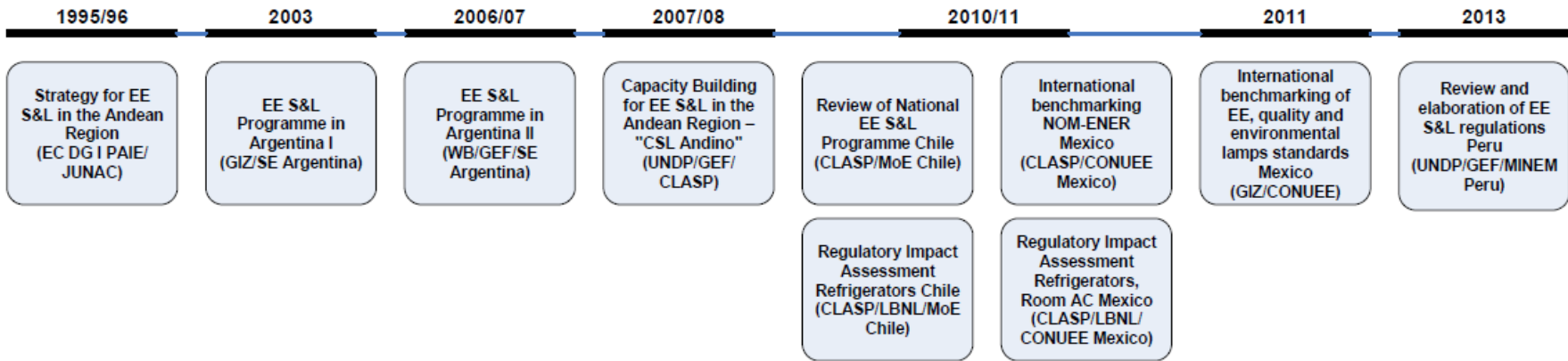


### Energy Efficiency Standards & Labelling

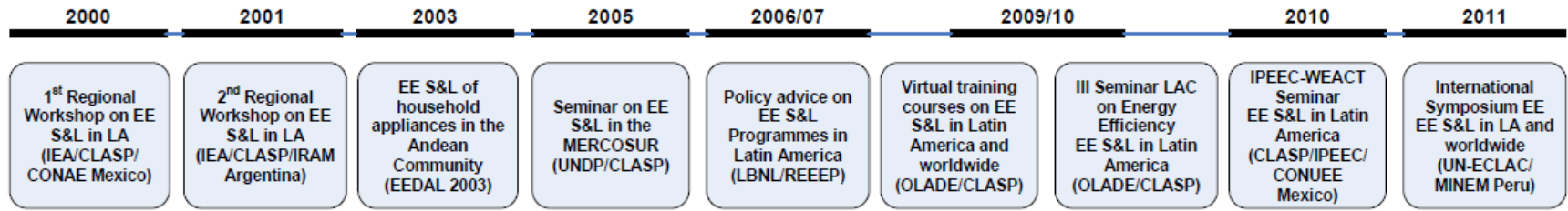
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#### Latin America

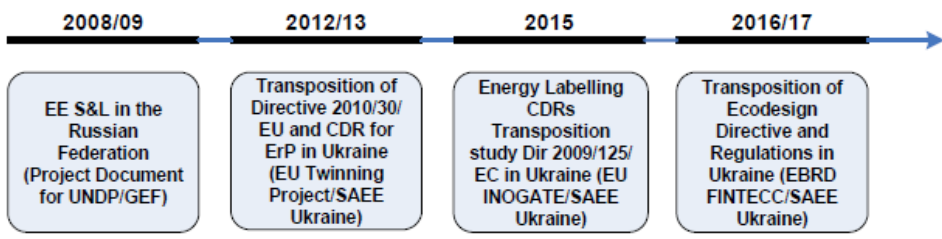
Projects



Seminars, Training & Publications

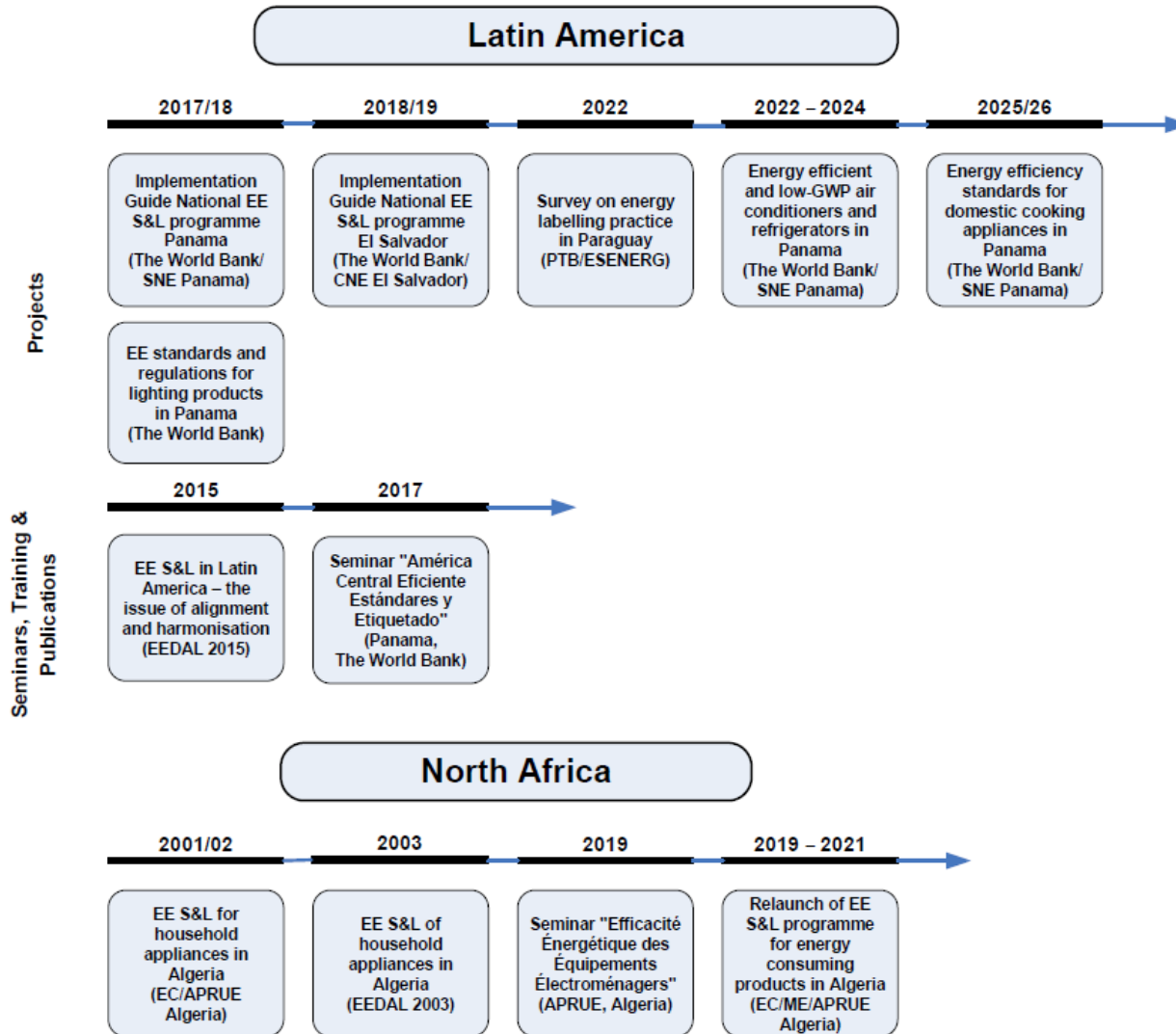


#### Eastern Europe





### Energy Efficiency Standards & Labelling

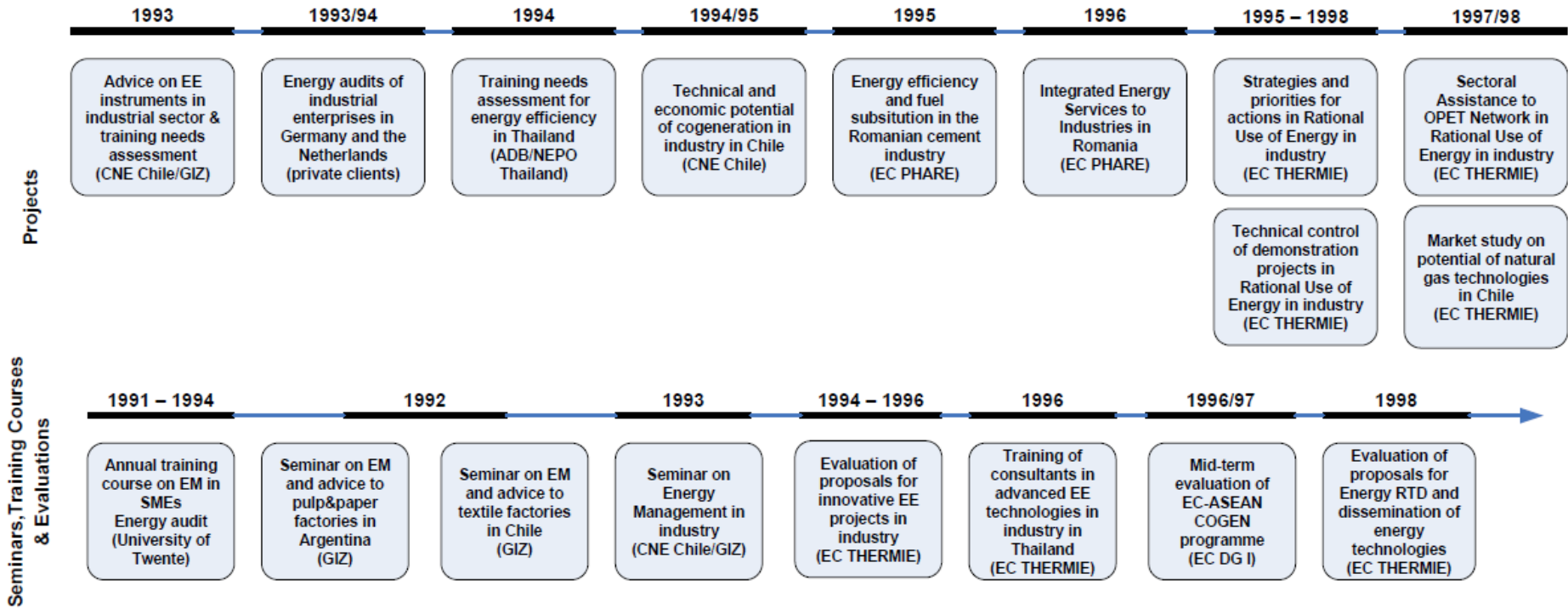




### Energy Audits, Energy Management & Technologies

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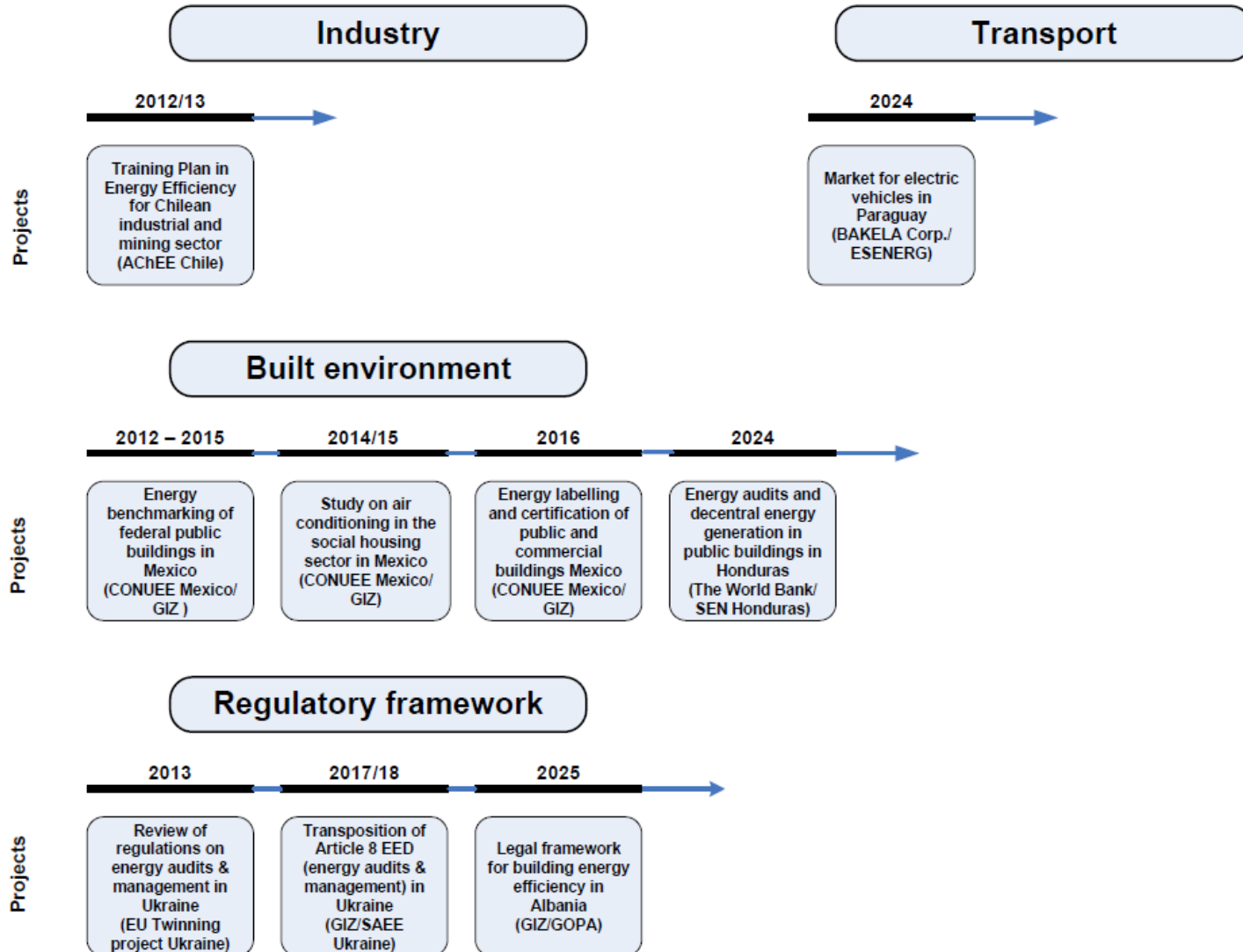
#### Industry





## Energy Audits, Energy Management & Technologies

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## More information

- Have a look at our website [www.energy-strategies.org](http://www.energy-strategies.org) for comprehensive and detailed information on Adviesbureau voor Energiestrategie / Energy Strategies for Sustainable Development, current and past projects, reports & publications, and more resources
- Follow us on [Facebook](#) and [LinkedIn](#) for actual information
- Check [Scribd](#) for reports of general interest
- Contact us at [aes@energy-strategies.org](mailto:aes@energy-strategies.org)



**Adviesbureau voor Energiestrategie**  
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**For more information please contact**

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