Pact of Islands monitoring tools in support of Clean Energy for EU Islands

CE4EUI Webinar

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DAFNI
Network of Sustainable Greek Islands

FEDARENE

SMART ISLANDS INITIATIVE

PACT OF ISLANDS

Network of Sustainable Greek Islands DAFNI

DAFNI, a non-profit organization, is a **network** of island local and regional authorities. It's comprised of **44 Municipal and 4 Regional members.**

DAFNI **promotes sustainable development** in Greek islands through integrated actions in the fields of energy, environment and culture

DAFNI is **a founding member of the Pact of Islands** initiative promoting sustainability in European islands through local energy planning

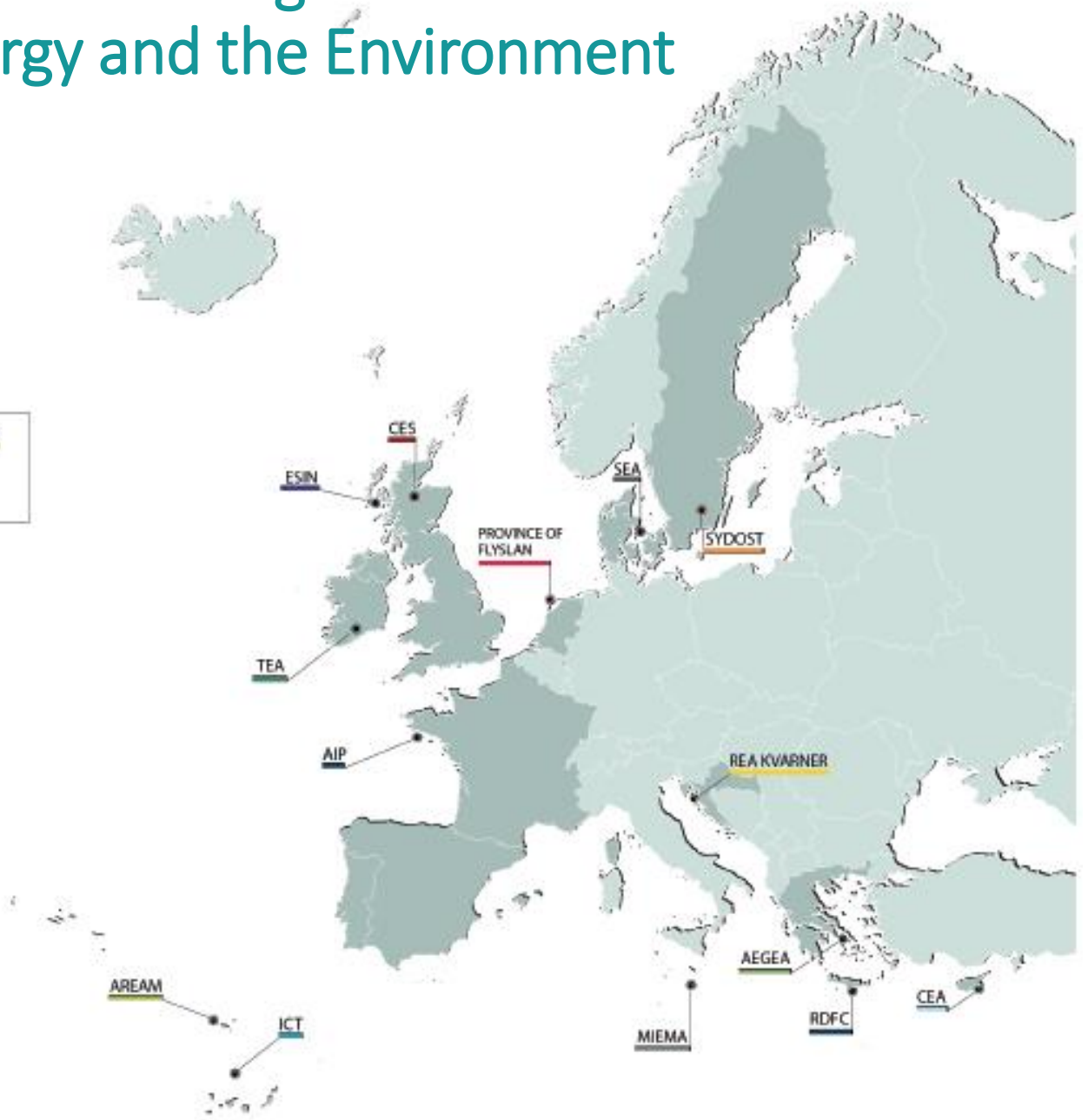
DAFNI is the **coordinator of the Smart Islands Initiative** promoting islands as ideas areas for innovative projects in the fields of energy, environment, transport and mobility

DAFNI is **subcontractor of the Clean Energy for EU Islands Secretariat** to disseminate the initiative in the Greek islands

European Federation of Agencies and Regions for Energy and the Environment

Islands College

- **EL** | Aegean Energy & Environment Agency (AEGEA)
- **PT** | Madeira Regional Agency for Energy & Environment (AREAM)
- **UK** | European Small Islands Federation (ESIN)
- **NL** | Province of Fryslan
- **HR** | Regional Energy Agency Kvarner (REA KVARNER)
- **CY** | Cyprus Energy Agency (CEA)
- **MT** | Malta Intelligent Energy Management Agency (MIEMA)
- **FR** | Ponant Islands Association (AIP)
- **FR** | Reunion Island SLP Energies
- **DK** | Samso Energy Academy (SEA)
- **EL** | Regional Development Fund of Crete (RDFC)
- **ES** | Canary Islands Institute of Technology (ICT)
- **IE** | Tipperary Energy Agency (TEA)
- **UK** | Community Energy Scotland (CES)
- **SE** | Southeast Sweden Energy Academy (SYDOST)



The Path towards the Clean Energy for EU Islands Initiative

1993
ISLENET
EU Islands Network on Energy & Environment

2011
ISLEPACT
Pact of Islands

2013
SMILEGOV
Smart Islands Strategy

2016
Smart Islands Initiative
Smart Islands Declaration

2017
Clean Energy for EU Islands
CE4EUI Declaration

Pact of Islands | How it all started

- ISLE-PACT project 2009 – 2012 funded by DG TREN to promote **local sustainable energy planning in EU islands**
- Initiative launched in 2011 under ISLEPACT project to promote **local sustainable energy planning** in islands
- An initiative **in liaison to the Covenant of Mayors** but focusing on the islands' special characteristics
- **Island Sustainable Energy Action Plans** (iSEAPs) produced by the signatories
- **iSEAPs conducted on island-scale** (except of Cyprus and Malta)
- **Methodologies and tools** for planning and monitoring the iSEAPs provided to the signatories
- **117 signatories** from all Member States with islands
- From 12/2016 Pact of Islands is **fully compatible to Covenant of Mayors** and iSEAPs can be converted to SEAPs and evaluated by JRC

PoI monitoring methodology | Monitoring process

The monitoring process shall be divided in two phases referring to different timings and activities of the process.

1. **Monitoring data collection**
   - Starts after or even before the delivery of the initial SEAP
   - Requires a well defined and efficient data network
2. **Reporting on SEAP progress**
   - Materialize the monitored information

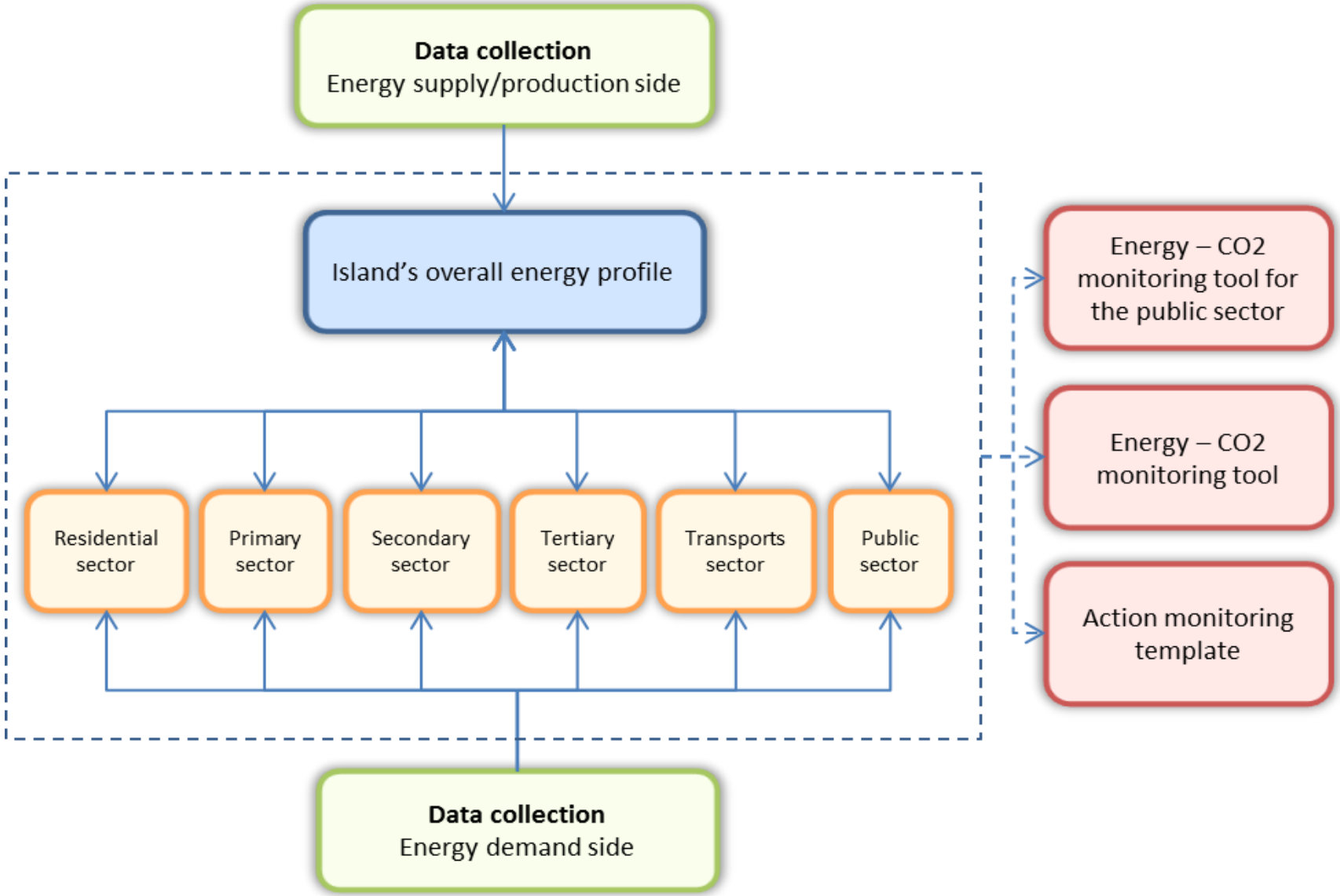
PoI monitoring methodology | Monitoring data collection

- Dynamic continuous monitoring
- The progress of every action should be monitored periodically
- Energy data from different sources (supply side, demand side, public sector, etc.) should be collected

Monitoring tools are needed for the data collection process

	Energy supply/production side	Energy demand side	
Progress of acti plans, comment	• Electricity production companies • Electricity network operator • Regulatory energy authorities • District heating/cooling companies • Fuel importers • Gas stations • Customs	• Public sector • Residential sector • Primary sector • Secondary sector • Tertiary sector • Transports sector	
Energy data coll bills on a month			e public sector”
Energy data coll questionnaires			

PoI monitoring methodology | Monitoring data collection



PoI monitoring methodology | Monitoring data collection

Examples of monitoring tools

1. "Action monitoring template"
   - Actions key data (expected - actual)
   - Milestones - Timetable
   - Comments/Details
2. "Energy - CO_2 monitoring tool for the public sector"
   - Public sector energy profile per activity and energy carrier
   - Graphical data depiction - Indicators
3. "Energy - CO_2 monitoring tool"
   - Comparison of baseline and monitoring emission inventories
   - Graphical data depiction – Indicators
   - Data collection through questionnaires (Monitoring Questionnaires tool)

Ευχαριστώ

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ΔΑΦΝΗ
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