

ENVIROS IN HORIZON 2020

Jan Pavlík

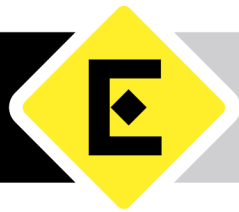
27.6.2018 Technology Platform Energy Security of the Czech Republic





Content

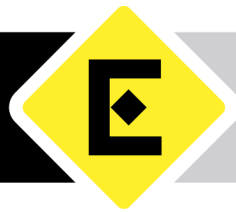
- ◆ ENVIROS introduction
- ◆ H2020 project overview
- ◆ Our experience and lessons learned



Company profile

- ◆ Member of international **ENVIROS GLOBAL LIMITED** based in the United Kingdom - one of the leading energy and environmental engineering and consulting service companies.
- ◆ **Czech offices in Prague and Ostrava** : 24 years history, under the name of **ENVIROS** since 2002.
- ◆ Branch offices also in **Bratislava (Slovakia)** and **Belgrade (Serbia)**
- ◆ 45 employees / 38 full-time experts + range of external specialists from the fields of energy, waste, environment, economy, legislation, software / database development and energy / environmental modelling.

www.enviros.cz

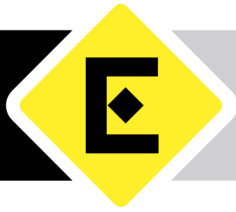


Company profile

For more than 20 years ENVIROS experts have been actively participating in a number of multi-country and international projects with partners from both EU and Central and Eastern European Countries.

Implemented projects include mainly those carried out within one of the EU programmes:

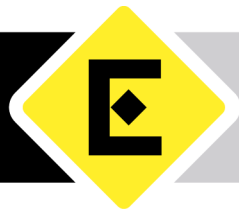
- ◆ **Horizon 2020**
- ◆ Intelligent Energy Europe
- ◆ 5th, 6th and 7th Framework Programme
- ◆ LIFE+
- ◆ CENTRAL EUROPE
- ◆ Phare



Ongoing H2020 projects: ODYSSEE-MURE

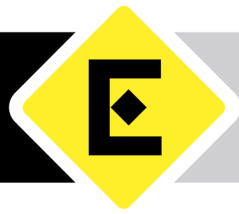
- ◆ ODYSSEE-MURE: tool to support the creation and evaluation of energy efficiency policy
 - ◆ increasing the capacity of public authorities to plan and implement policies and measures to promote sustainable energy
 - ◆ 22 years of implementation of EU-supported projects and energy efficiency agencies
 - ◆ **32 partners from EU28, Norway, Serbia and Switzerland**, in particular policy makers
 - ◆ the link between EE indicators and EE policies
 - ◆ ODYSSEE:
 - ◆ database of internationally comparable energy efficiency indicators
 - ◆ 200 comparable EE indicators
 - ◆ MURE:
 - ◆ database of policy measures for support of energy efficiency promotion
 - ◆ 2,500 EE policy measures
 - ◆ 2 updates per year (preliminary and final)
 - ◆ training for 3,000 people
 - ◆ new indicators, assessing the benefits and impacts of policies and measures (including energy poverty, energy costs and prices)
 - ◆ increasing the involvement of national teams (interactive platform, forum, questions and answers, webinars, policy messages)

<http://www.odyssee-mure.eu/>



Ongoing H2020 projects: CARISMA

- ◆ 07/2015-07/2018
- ◆ CARISMA: Coordination and Assessment of Research and Innovation in Support of Climate Mitigation Actions
- ◆ CARISMA supports the development and diffusion of options for climate change mitigation, both technologies and practices to reduce greenhouse gas emissions
- ◆ <http://carisma-project.eu/>
- ◆ <http://climatechangemitigation.eu/>
 - ◆ Portal collects and posts information from different EU-funded research and coordination projects on Climate Change Mitigation



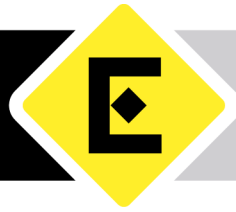
Ongoing H2020 projects: CARISMA objectives

- ◆ Identification of priorities for research and innovation on climate change mitigation options.
- ◆ Coordination of research and innovation in climate change mitigation-related programmes and projects.
- ◆ Greater awareness and understanding among policymakers of relevant attributes, features and economic, environmental, social and ethical implications of existing and new climate change actions, including technologies, practices, policies and measures in EU Member States, Associated Countries and beyond.
- ◆ Improved and context-relevant decision-making on climate change mitigation policies that leads to greater investment certainty in the private sector for climate change mitigation options and greater risks for climate-harmful investments.
- ◆ Recognition and improved understanding of the contextual factors relevant to realizing climate change mitigation options.
- ◆ Identification and analysis of opportunities to strengthen European engagement in international research and innovation collaboration

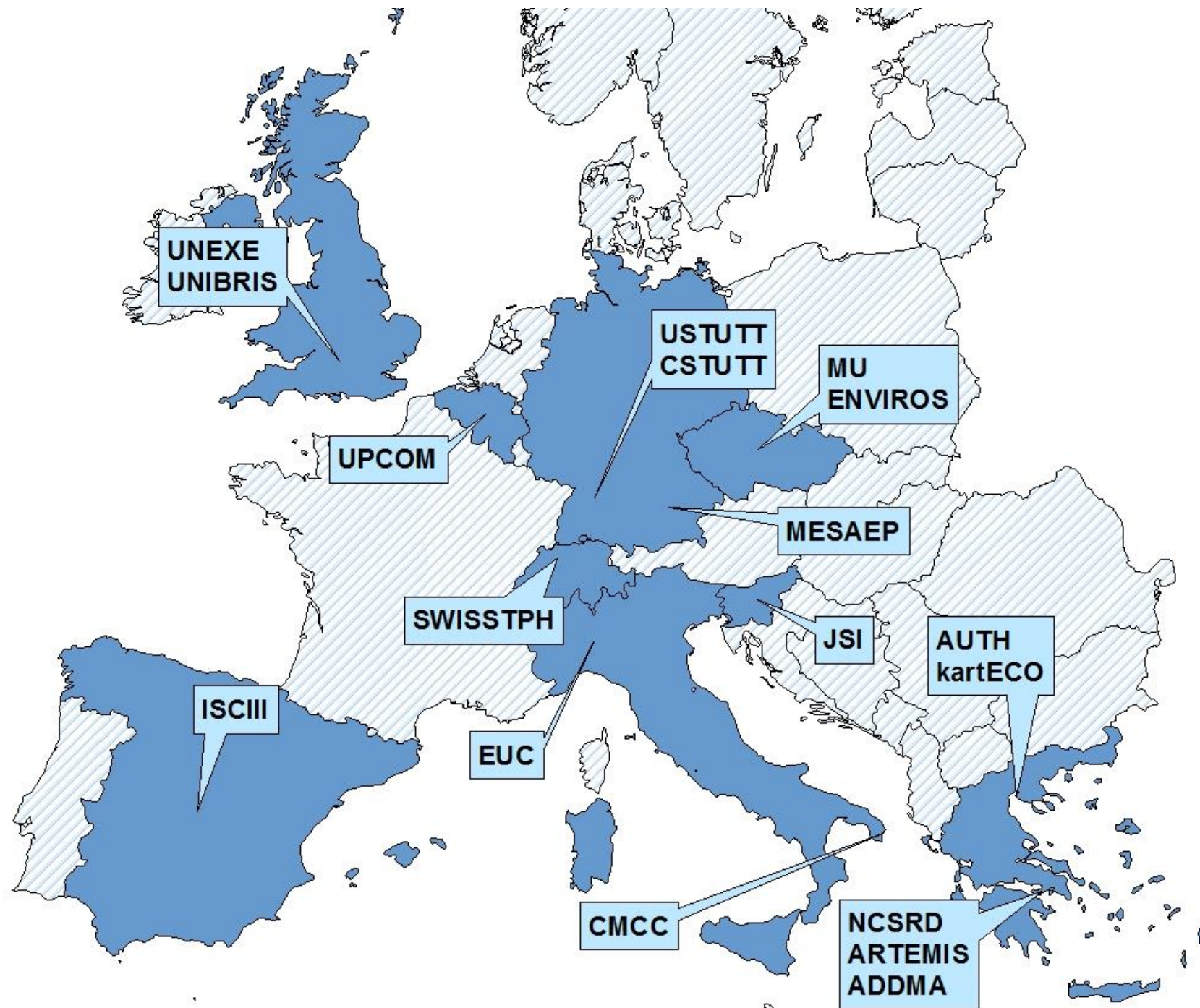


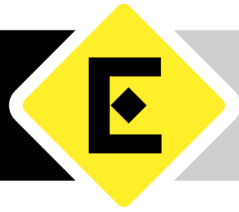
Ongoing H2020 projects: ICARUS

- ◆ 06/2016-06/2020
- ◆ Integrated Climate forcing and Air pollution Reduction in Urban Systems.
- ◆ **18 Partner Institutions from 9 European countries**
- ◆ Development of a transdisciplinary methodology and toolkit for integrated impact assessment so that **air quality improvement**, climate change mitigation and health promotion can be evaluated efficiently in key sector policies.
- ◆ The ICARUS methodology and toolkit will be applied in nine EU cities
 - ◆ 3 small-size cities - Basel, Brno, Ljubljana
 - ◆ 3 mid-size cities - Stuttgart, Bristol, Thessaloniki and
 - ◆ 3 large cities - Athens, Milan and Madrid
- ◆ <http://icarus2020.eu/>



ICARUS project partners





Ongoing H2020 projects: guarantEE

Within guarantEE **14 experienced partners** will foster the use of Energy Performance Contracting (EPC) in the public and private sector across Europe by especially:

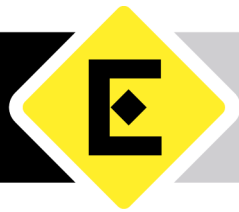
- ◆ Making EPC more flexible to better serve private sector clients
- ◆ Supporting EPC pilot projects with experienced facilitators
- ◆ Development of innovative business and financing models for performance based ESCO projects.
- ◆ Develop and test solutions for rented facilities adequately sharing costs and benefits between user, building owner and ESCO (triple-win approach).
- ◆ For private sector building owners, EPC contract variants providing enhanced flexibility will be developed.
- ◆ Market stakeholders will be intensively involved in the analysis of current barriers and the definition of adequate contractual solutions.
- ◆ Innovative energy service models are to be tested in pilot projects, in which the building owners will receive support from experienced EPC facilitators.



Ongoing H2020 projects: guarantEE

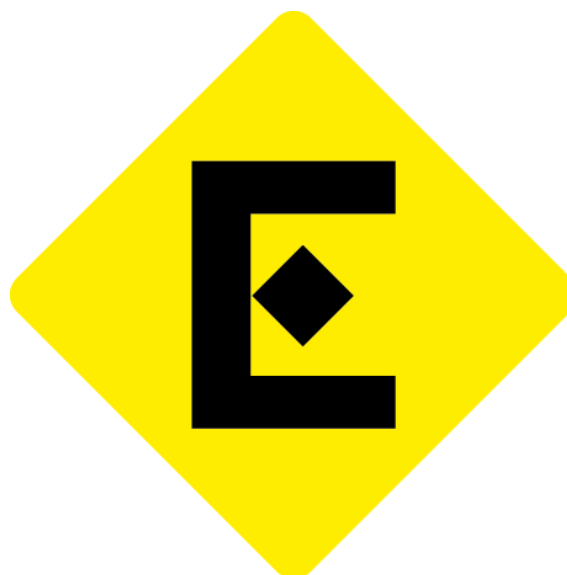
GEA	Grazer Energieagentur	AT
NEE	Norsk Enok og Energi AS	NO
CODEMA	City of Dublin Energy Management Agency	IE
Factor 4	Factor 4	BE
ICAEN	Institut Catala d'Energia	ES
TUD	TUD Business Consulting SRL	RO
ECB	Energeticke Centrum Bratislava	SK

VIPA	Public Investment Development Agency	LT
ENVIROS	Enviros	CZ
IJS	Institut Jozef Stefan	SI
RVO	Rijksdienst voor Ondernemend Nederland	NL
ENEA	Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile	IT
EnPO	Sem Energies Posit'if	FR



Our experience

- ◆ Increasing number of competing proposals (overlap of project topics)
- ◆ Increasing demand on time for preparation – specialised service
- ◆ A difficult first step:
 - projects create projects (follow up activities, importance of consortiums)
 - „national“ competition – usually one partner per country
- ◆ Long payment periods
- ◆ Real gross salary – fees
- ◆ A risk of subsequent corrections
- ◆ Great opportunity for company and staff experience, increasing of reputation
- ◆ A way for bigger projects (EREK – European resource efficiency centre/EASME)



Thank you for your attention!

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