Workshop ENERGY SPACE

Overcoming the challenge of limited space to achieve a decarbonised energy system





Learn more about the Workshop on our webpage



Best Practice Fair

Introduction and practice pitches (Part I)

- Best Practice Fair open all day
- Presenters share their practical approaches to energy and space
- Talk to them in the breaks











PECHA KUCHA I

PATHFINDER: OPTIMAL SITING AND ROUTING FOR ENERGY INFRASTRUCTURES GILYTICS AND SWISSGRID





Best practice: Swissgrid + Pathfinder



Swiss National TSO extra high voltage grid



Challenge

Find acceptable corridors and routes

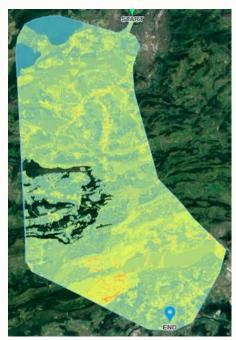


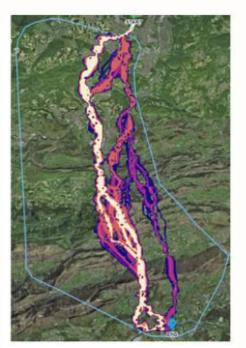


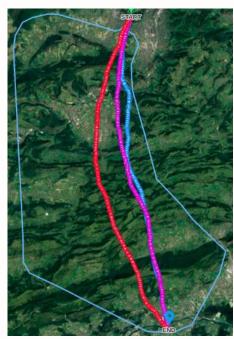
Using Pathfinder for spatial planning













Define constraints

Calculate total resistance

Test scenarios

Calculate options

Analyze impact

2

3

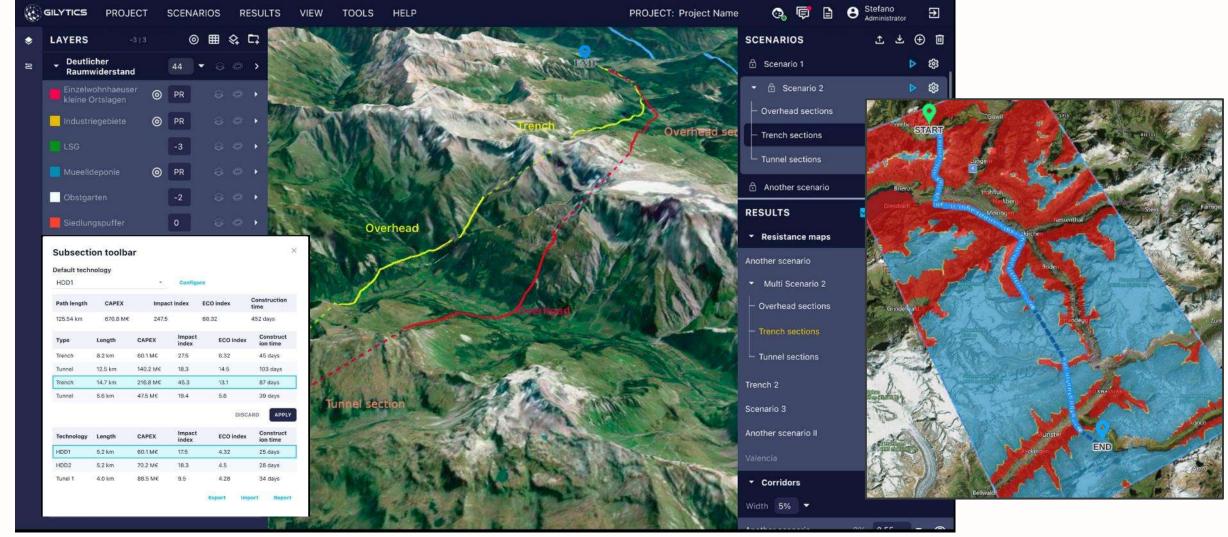
Using Pathfinder for stakeholder engagement





In progress: combining transmission technologies





PECHA KUCHA I

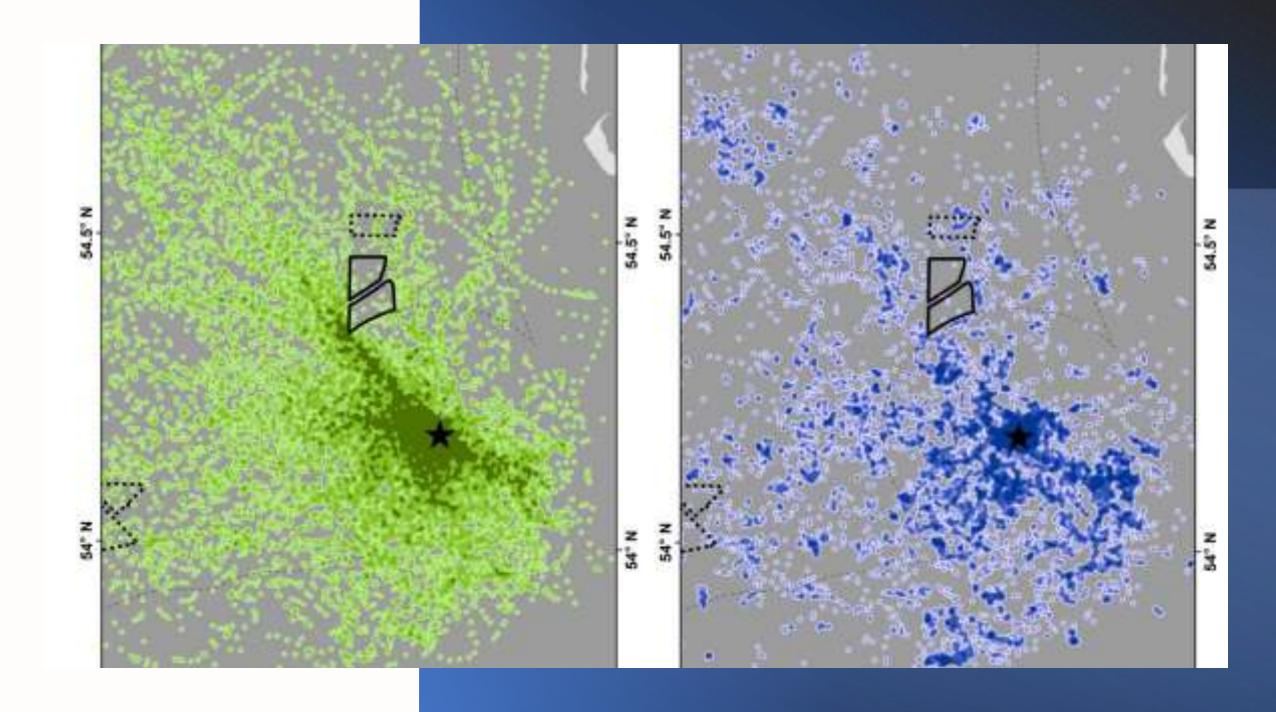
AVISTEPBIRDLIFE INTERNATIONAL

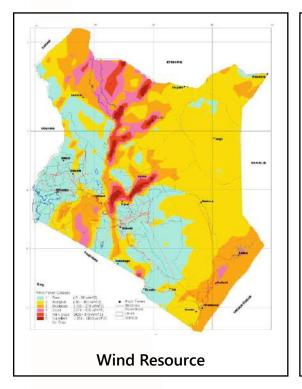


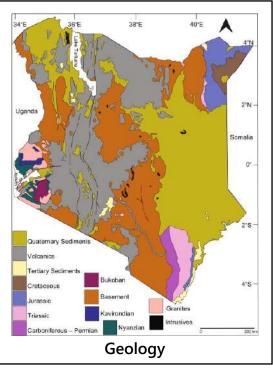


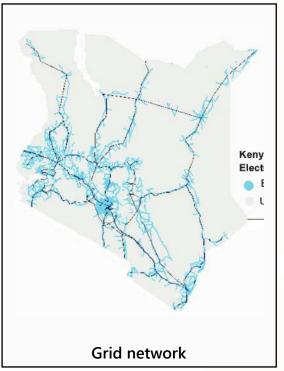
Sensitivity Mapping

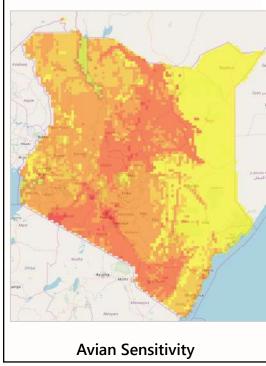




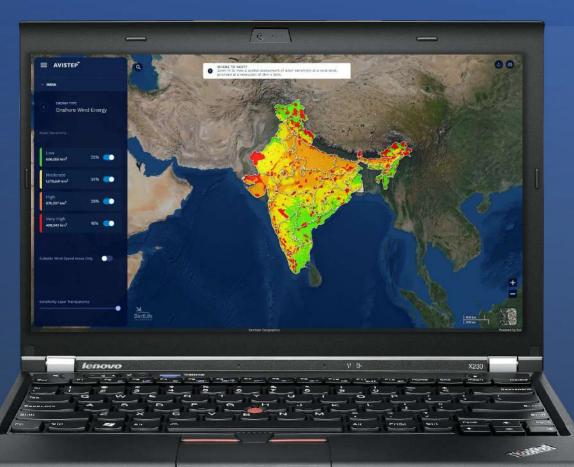


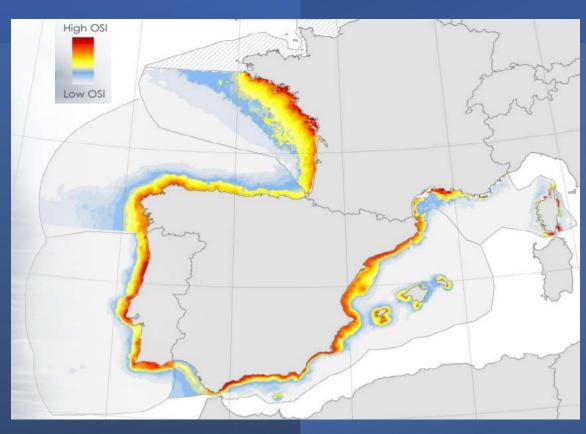






AVISTEP





HANDBOOK FOR PRACTITIONERS ON MAPPING A SUSTAINABLE RENEWABLE ENERGY **TRANSITION** THE NATURE CONSERVANCY







THE NATURE CONSERVANCY

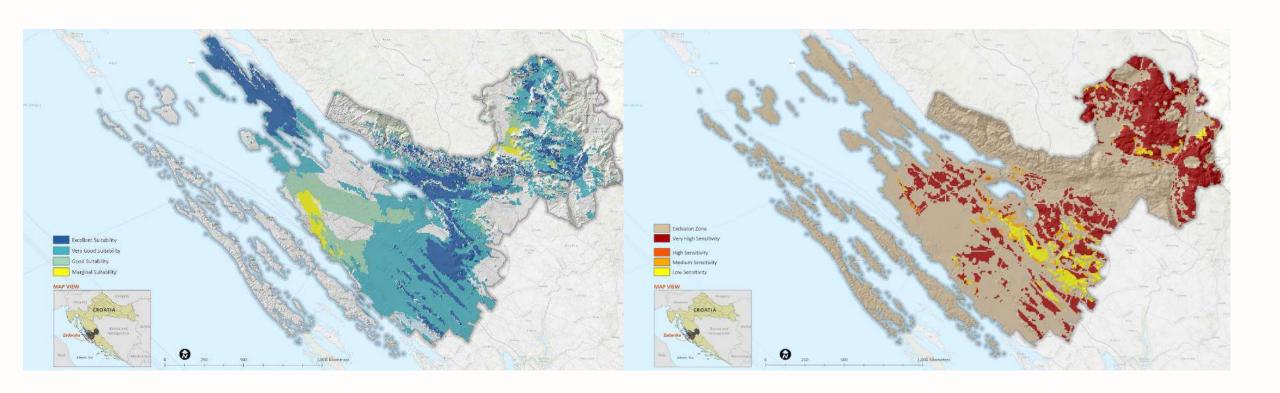
The challenge of siting renewables in Europe and beyond



© SIMON SKAFAR/ISTOCK 14

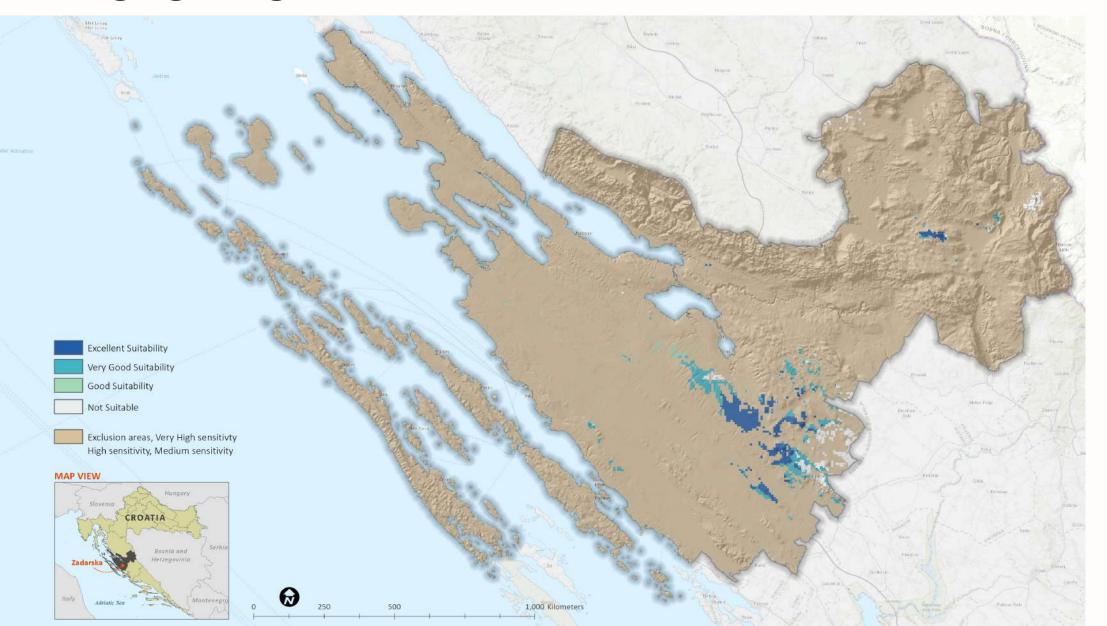


Technical suitability vs enviro-social sensitivity



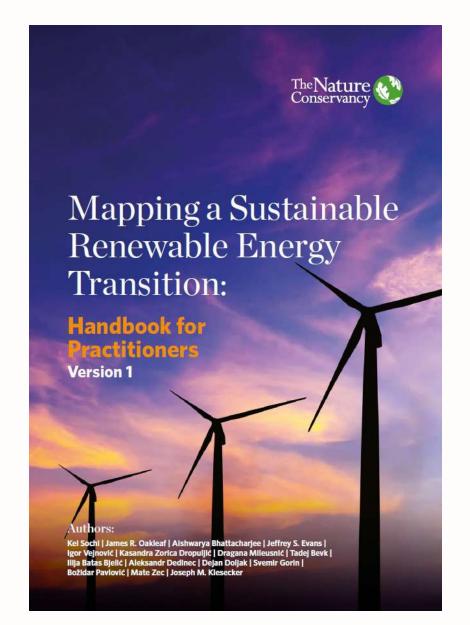


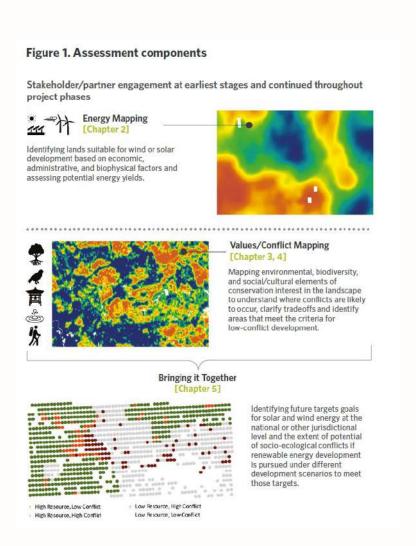
Bringing it together





Sharing what we've learned





ENVIRONMENTAL IMPACT ASSESSMENT: PROJECT'S VIRTUAL VISIT REN





Environmental impact assessment: project's virtual visit

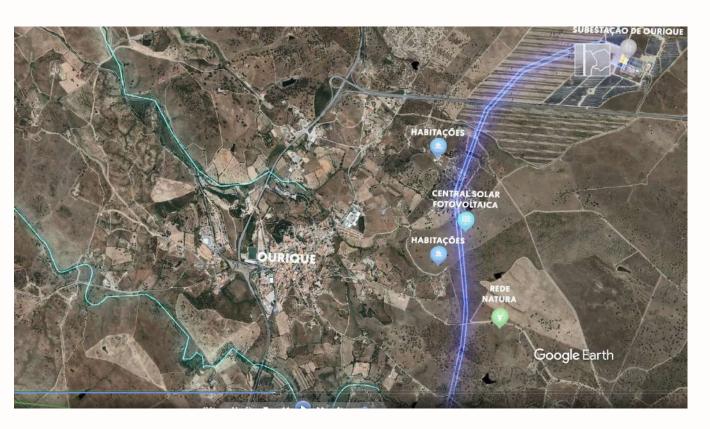






Environmental impact assessment: project's virtual visit

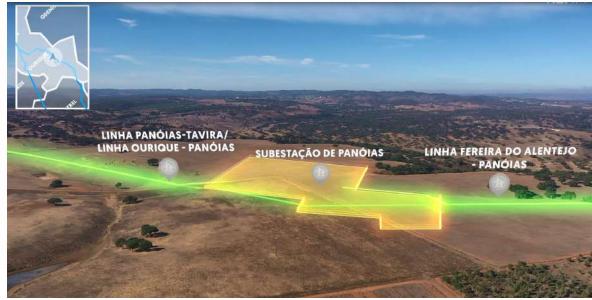






Environmental impact assessment: project's virtual visit





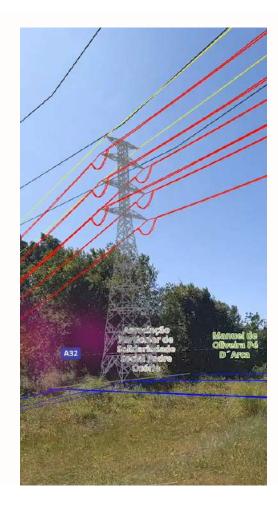


Augmented Reality App for Projects and Environmental Constrains











Best Practice Fair Practices' pitches (Part II)

- Best Practice Fair open all day
- Presenters share their practical approaches to energy and space
- Talk to them in the breaks











PECHA KUCHA II

INTEGRATED VEGETATION MANAGEMENT PROJECTS ECOFIRST





PECHA KUCHA II

NATIONAL ATLASES OF RENEWABLE SOURCES RSE





Integration of renewable energy in land and environment

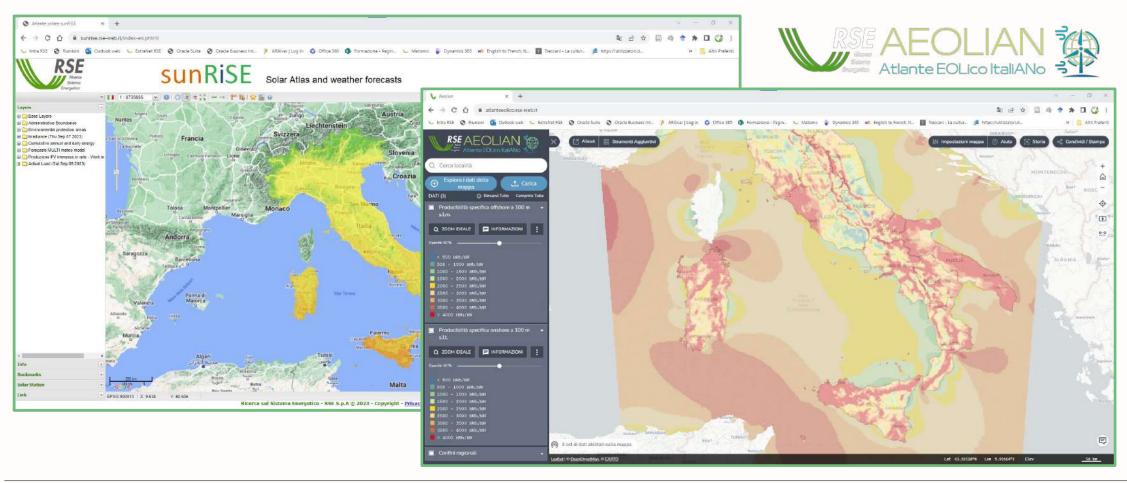






The atlases of renewable energy sources

Solar and wind distribution in Italy





Different tools for different purposes



sunRiSE







Support to the planning process



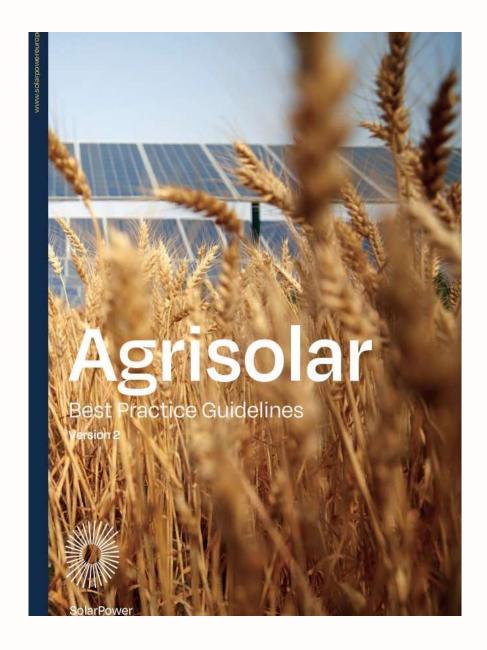
This work has been financed by the Research Fund for the Italian Electrical System under the Three-Year Research Plan 2022-2024 (DM MITE n. 337, 15.09.2022), in compliance with the Decree of April 16th, 2018".

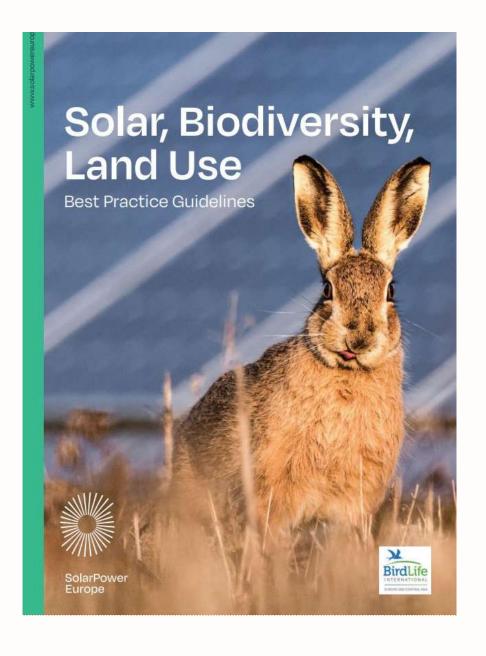
PECHA KUCHA II

SOLAR, BIODIVERSITY, LAND USE: BEST PRACTICE GUIDELINES SOLARPOWER EUROPE

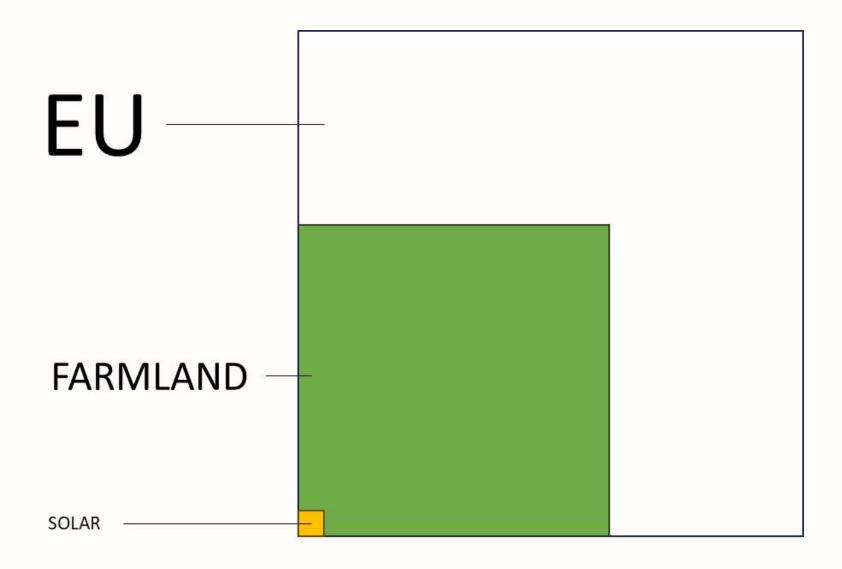






































PECHA KUCHA II

DISTRICT ENERGY AND OTHER SOLUTIONS EUROHEAT



