

**Energy institute Hrvoje Požar & The Nature Conservancy
are delighted to invite you**



**to a two-day workshop on
integrated renewable energy planning**

When? 14-15 October 2019

Where? Energy Institute Hrvoje Požar, Dvorana Filip Prebeg
Savska 163, Zagreb

Background

Croatia is in the process of adopting a number of strategic documents related to climate change mitigation and adaptation. The National Energy and Climate Plan (NECP), which is under development, foresees a strong increase of the energy supply from the renewable energy sources (RES) until 2030, especially from wind and solar power plants. The National Energy Strategy, Low-carbon Development Strategy and the National Spatial Development Plan are also under development.

Considering the objectives and goals of the Strategy and Action Plan for Nature Conservation from 2017 until 2025, there is an evident need for cross-sectoral planning to ensure sustainable integration of additional RES capacities in the spatial planning documents.

Workshop Objective

Share global good practice methodologies and real-world case studies on how environmental and social criteria are embedded into renewable energy planning.

Learn how effective stakeholder engagement is embedded into these processes.

Share the information and initiate expert level dialogue between stakeholders involved in the development of strategic documents in the areas of spatial planning, climate and energy and biodiversity.

Examine whether some of the international experiences, tools and approaches are applicable in Croatian context.

Identify opportunities for potential future collaboration.

Participants

The seminar is aimed at up to 20 participants from the Ministry of Construction and Physical Planning, Ministry of Environmental Protection and Energy as well as CSOs involved in the biodiversity protection. Head of Units are invited to join and to nominate additional technical experts as appropriate. The participants should be working on renewable energy, climate change, strategic planning, spatial planning, environmental assessments, nature protection and other related topics. To confirm your participation, please email Ana Kojaković (Energy Institute Hrvoje Požar) at akojakovic@eihp.hr by 10 October 2019.

Working Language

The working language of the seminar is English. Please indicate if you or your staff require translation to Croatian.

Day 1 - 14 October 2019

9:00 – 9:15 Welcome & Opening Speeches

Session 1: Setting the scene

9:15 – 9:45 Spatial Development Strategy of the Republic of Croatia and The State Plan for Spatial Development

Vesna Marohnić Kuzmanović, Ministry of Construction and Physical Planning –
Institute for Spatial Development

9:45 – 10:00 Q&A and discussion

10:00 – 10:30 National Energy and Climate Plan of Croatia

Ministry of Environmental Protection and Energy – Directorate for Energy

10:30 – 10:45 Q&A and discussion

10:45 – 11:00 Coffee break

Session 2: Ongoing projects and activities relevant for integration of RES in physical plans

11:00 – 11:30 Working together: a CSO as an active stakeholder in conservation with energy sector and government

Mate Zec, BIOM

11:30 – 11:45 Q&A and discussion

11:45 – 12:15 Development of the information system for land in Republic of Croatia

Višnja Grgasović, Ministry of Environment and Energy – Directorate for
Climate Protection

12:15 – 12:30 Q&A and discussion

12:30 – 13:30 Lunch

Session 3: International experience in integrated RES planning

13:30 – 14:00 TNC Power for Nature programme: a global overview

Mark Lambrides & Amy Newssock, The Nature Conservancy

14:00 – 14:15 Q&A and discussion

14:15 – 14:30 Coffee break

14:30 – 15:00 Power of Place: How California plans to meet 100% renewable energy goals while preserving nature

Erica Brand, Associate Director, California, The Nature Conservancy

15:00 – 15:15 Q&A and discussion

15:15 – 16:00 Discussion:

Can TNC experience resonate with the Croatian context?

How can we jointly draw lessons to improve our scientific methodologies & stakeholder engagement in decision making?

- End of Day 1 -

Day 2 - 15 October 2019

9:00 – 9:15 Welcome & Recap of Day 1

Session 4: Approaches and methods for low-impact siting of RES

- 9:15 – 9:45 TNC Science in Action: Case studies on low impact energy siting
Joe Kiesecker, Lead Scientist, The Nature Conservancy
- 9:45 – 10:00 Q&A and discussion
- 10:00 – 10:30 Low impact renewable energy planning in Croatia and Slovenia: an illustrative example
Joe Kiesecker, Lead Scientist, The Nature Conservancy
- 10:30 – 10:45 Q&A and discussion

10:45 – 11:00 *Coffee break*

Session 5: Croatian experience in integrated RES planning

- 11:00 – 11:30 Selection and valorisation of wind- and solar power plant sites using multi-criteria analysis: A case study from Croatia
Andro Bačan and Ana Kojaković, Energy Institute Hrvoje Požar
- 11:30 – 11:45 Q&A and discussion
- 11:45 – 12:15 Natura 2000 and Renewable Energy Sources – Appropriate Assessment within SEA and EIA procedures
Marija Sabolić, Ministry of Environmental Protection and Energy – Institute for Environmental and Nature Protection
- 12:15-12:30 Q&A and discussion

12:30 – 13:30 *Lunch*

Session 6: North America experience in integrated RES planning

- 13:30 – 14:00 Balancing renewable energy & environmental objectives: case studies from North America
Nels Johnson, Energy & Infrastructure Director for North America, The Nature Conservancy
- 13:50 – 14:00 Q&A and discussion
- 14:00 – 14:20 Site Wind Right: Deep Dive on low impact wind site planning tool
Nels Johnson, Energy & Infrastructure Director for North America, The Nature Conservancy
- 14:20 – 14:30 Q&A and discussion

14:30 – 14:45 *Coffee break*

Session 7: The potential way forward

- 14:45 – 16:00
- *Recap of what we heard over the two days*
 - *The next steps in the adoption of strategic documents*
 - *Can we build on the TNC experience (the use of existing tool, approaches and concepts) / Opportunities for international cooperation on energy planning*
 - *How can we strengthen inter-sectoral dialogue?*
 - *What funding sources could support our future joint efforts*

- *End of Workshop* -

Key Speakers from The Nature Conservancy

Mark Lambrides, Director for Energy and Infrastructure, recently joined TNC to help develop and manage the Power for Nature programme. Previously, while working at the World Bank, Mark managed the preparation and implementation of renewable energy, energy efficiency, and distribution of grid rehabilitation project investments. He also worked on issues related to energy policy and regulatory reform, climate change mitigation and adaptation advisory projects, as well as institutional strengthening initiatives for clients in the Caribbean, Central and South America. Mark has over 25 years of experience in the sustainable energy sector and has worked for the Organisation of American States (OAS), Winrock International, and the US Export Council for Renewable Energy (US/ECRE). He sits on several advisory boards including the Renewable Energy and Energy Efficiency Partnership (REEEP) and the Caribbean Renewable Energy Forum (CREF).

Amy Newsock As Deputy Director, Power for Nature at The Nature Conservancy, Amy is responsible for developing and executing win-win conservation and renewable energy development strategies with teams across the globe. She is for maintaining and protecting the integrity and health of our lands and waters while supporting countries to meet their renewable energy commitments. The geographic scope of her projects ranges across continents; in countries including the Western Balkans in Europe, Angola and Gabon in Africa, Colombia and Peru in South America, as well as China. Her work focuses on the implementation of TNC's Development by Design approach which demonstrates that planning for energy at the system-scale balances values and needs of both people and nature, while meeting energy needs and generating higher economic and financial returns.

Joseph Kiesecker is a Lead Scientist for The Nature Conservancy's Conservation Lands Team. In this capacity his main responsibilities include developing new tools, methods, and techniques that improve conservation. He pioneered the Conservancy's Development by Design strategy, to improve impact mitigation through the incorporation of predictive modeling to provide solutions that benefits conservation goals and development. He also conducts his own research in areas ranging from disease ecology, to the effectiveness of new conservation tools such as conservation easements. His training was in ecology, conservation biology and animal behavior, with a Ph.D. from Oregon State University in 1997. He has held faculty appointments at Yale University, Penn State University and currently holds a faculty appointment at the University of Wyoming. He has been a Donnelly Fellow, and has received funding for his research from National Institutes of Health, the National Science Foundation, the IUCN and numerous private foundations. Kiesecker has published over 100 articles, on topics ranging from [climate change](#) to the effectiveness of conservation strategies; examples of his work have been published in Nature, Proceedings of the National Academy of Sciences, Conservation Biology, Ecology and American Scientist.

Erica Brand serves as Director of the California Energy Strategy at The Nature Conservancy, where she works on state and regional policies related to clean electricity and land conservation. In her role she leads a team that focuses on decarbonizing the electricity grid, providing science and policy analysis to state and federal regulatory agencies that develop and implement clean electricity policies and solutions. Before joining The Nature Conservancy, she served as a Senior Environmental Policy Specialist at Pacific Gas & Electric Company and has over 15 years of experience in the energy and environmental sector. Erica holds a Master of Science degree in Environmental Management from the University of San Francisco, and a Bachelor of Science degree in Biological Sciences from Cal Poly, San Luis Obispo.

Nels Johnson works with The Nature Conservancy's teams across North America to integrate "smart-siting" into energy development, the continent's leading cause of land-use change. During his 25-year career, Nels has worked on forest management, carbon sequestration, protected areas design, energy planning, mitigation, climate adaptation, and incentives to sustain ecosystem services in Asia, Latin America and North America. He has published over two dozen articles, reports and books on these topics.



Dragana Mileusnic is the Southeast Europe Programme Manager at The Nature Conservancy Brussels office, where she directs strategies for renewable energy and nature conservation in the Western Balkans. Prior to joining the Conservancy, she spent 4 years with Climate Action Network (CAN) Europe, advancing policies leading to energy transition in the Western Balkans. Previously, she worked with the German Heinrich Boell Foundation in Belgrade and with the Institute for Entrepreneurship and Economic Development in Montenegro. She holds a Masters' degree from Oxford University's Environmental Change Institute in Environmental Change and Management and a Bachelors' degree in geography & environment from University of Belgrade, Serbia.