




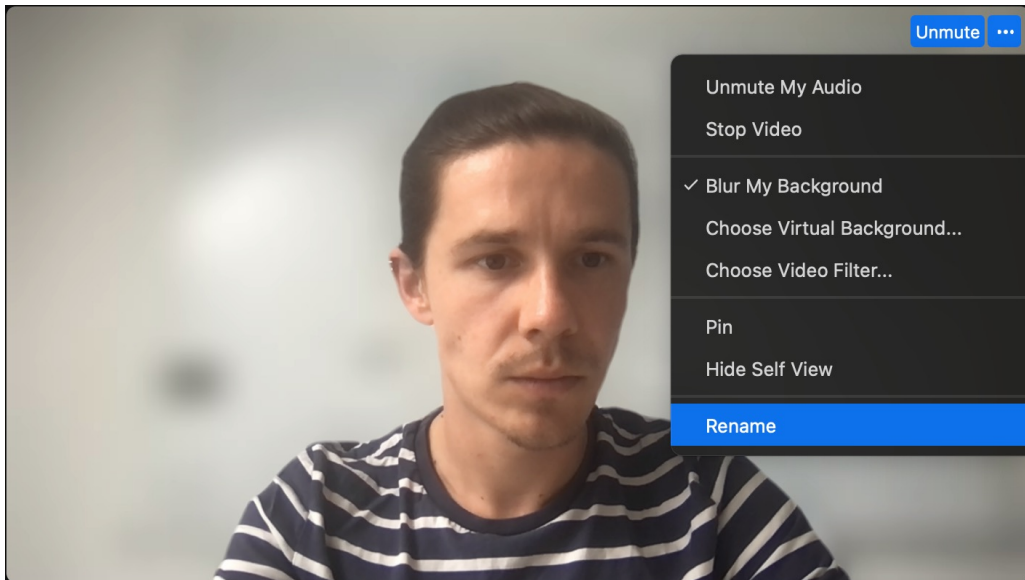
# Wind & Wings

## Protecting birds around onshore wind infrastructure

Manon Quetstroey  
Energy & Nature  
Renewables Grid Initiative

# Some housekeeping

- We are recording 
- Rename yourself so your name appears:

A 'Rename' dialog box with a red dot in the top left corner. It contains the text 'Enter new name here:' followed by a text input field containing 'Liam Innis - Renewables Grid Initiative'. Below the input field is a checkbox labeled 'Remember my name for future meetings'. At the bottom right are two buttons: 'Cancel' and 'Rename'.



# Wind & Wings

Protecting birds around  
onshore wind infrastructure

ENERGY & NATURE  
WEBINAR

**23 NOVEMBER 2022**  
**3:00 - 5:15 PM CET**

Renewables  
Grid Initiative 

 **Arava  
Institute**  
מכון הערבה מעמד ואדי ערבה

# Agenda

<b>Welcome &amp; Introduction</b> Manon Quetstroey – Energy & Nature, RGI
<b>Wind energy and bird protection – The Israeli case study</b>  Dr. Tareq Abu Hamed, CEO of Arava Institute for Environmental Studies Dr. Yoav Perlman, Director of Birdlife Israel Dr. Noam Leader, Head of the Ecology Department from the Israel Nature & Parks Authority
<b>Importance of good planning, including sensitivity mapping tools to inform the siting of new windfarms</b>  Ivan Ramírez, Head of Avian Species Team at the UN CMS
<b>The MAPE research project: Reducing bird mortality in operating windfarms in France</b>  Ana Maria Tobon, Project manager at MSH Sud Thierry Chambert, Postdoctoral researcher at CEFE-CNRS
<b>Reactions by key stakeholders from industry and civil society</b>
<b>Q&amp;A and discussion</b>

# RGI – unique cooperation between industry and civil society

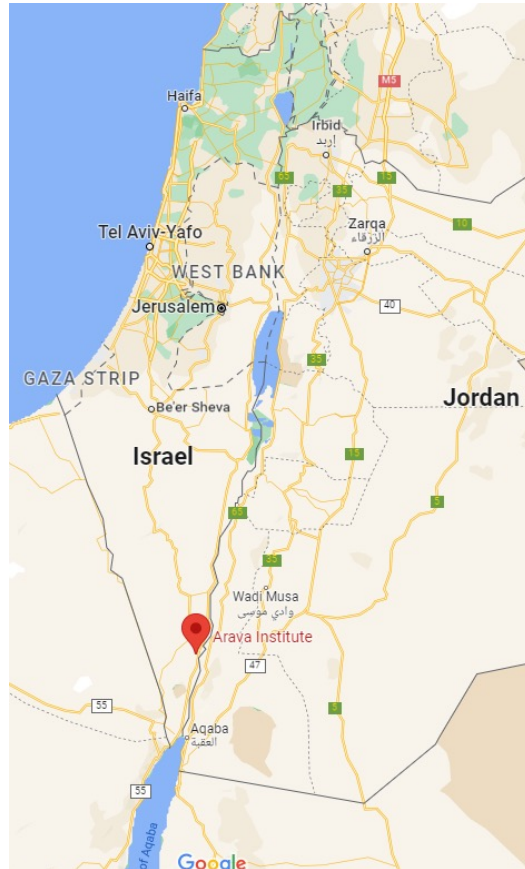
RGI is a unique collaboration of NGOs and TSOs from across Europe engaging in an 'energy transition ecosystem-of-actors'. We promote fair, transparent, sustainable grid development to enable the growth of renewables to achieve full decarbonisation in line with the Paris Agreement.







- Established: 1996
- Location: Kibbutz Ketura, Arava Valley
- Educational and Interdisciplinary Research Institute





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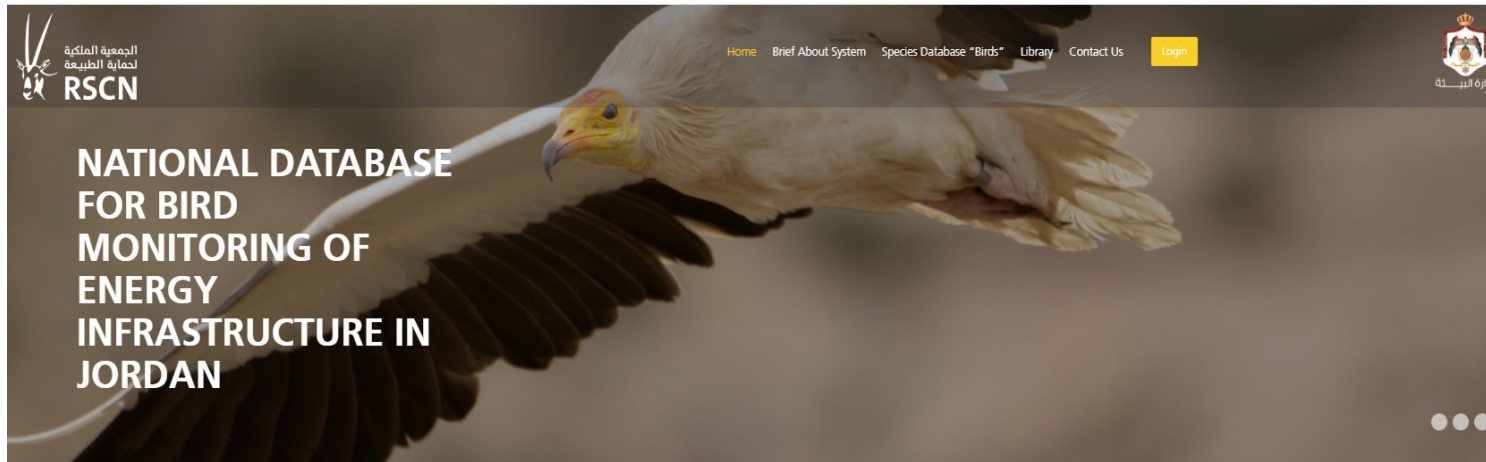
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# Post-installation mitigation measures

- Monitoring of bird activity and mortality
  - RGI 'Good Practice of the Year' award winner in 2020: RSCN, Mainstreaming soaring bird conservation in energy sectors in Jordan





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- Turbine shutdown in high-risk periods
- Case study in Spain (2006-2009) on Griffon Vulture
  - Mortality rate reduced by 50%
  - Drop in energy production of only 0.07% each year
  - Turbines were stopped for 6h20min each year



# Post-installation mitigation measures

- Additional mitigation strategies:
  - Reduce intensity of lights to avoid attraction
  - Increasing visibility for birds: painting in black or UV
  - Deterrent devices to scare birds away



# Thank you!



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