

# EU-AU-IIASA Evidence and Policy: Water-Energy-Food Nexus

30 August - 2 September 2016

European Commission, Joint Research Centre, Ispra, Italy

## Programme



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## ***EU-AU-IIASA Evidence and Policy Event*** ***(30 August to 2 September 2016, Ispra, Italy)***

### **Objective:**

In a world of complexity, evidence-informed policymaking is critical to enhance the effectiveness of public policies and thus ensure *inter alia* the well-being of citizens. To develop the necessary skills for improving practices in better integrating evidence into policy-making, the European and African Union Commission's, together with the International Institute for Applied Systems Analysis (IIASA), are co-organising this capacity-building event. It follows on from the success of last year's event.<sup>1</sup>

This year the event will be held within the framework of the Joint Africa-EU Strategy and will take place at the European Commission's Joint Research Centre site in Ispra, Italy from 31<sup>st</sup> August to 2<sup>nd</sup> September 2016, with a preliminary inception day on 30<sup>th</sup> August 2016 for some participants. The purpose of the event is for African and European scientists and policymakers to better understand the constraints and demands from both the scientific and the policymaking perspective and to develop together new skills in using evidence to inform policy. Participants will come from those conducting research and developing policy in the Water-Energy-Food Security nexus. This is in line with the 2014 EU-Africa Summit conclusions to work towards an EU-Africa Research and Innovation Partnership on food and nutrition security and sustainable agriculture, the global Sustainable Development Goals framework adopted in 2015, and the Africa Union's 2063 Agenda.

### **Expected Outcomes:**

- Participants have enhanced their skills in integrating evidence into policy-making.
- Participants have the opportunity to network with their peers and counterparts outside of their usual working environment.
- Strengthened EU-AU contacts in the field of Water-Energy-Food Security.
- Participants are able to apply their new skills and learning to their day-to-day work.
- Participants become part of a community of practice and continue to collaborate afterwards.
- Participants will share their new skills and learning with their colleagues.

### **Target Audience:**

The event will bring together approximately 100 participants working in the field of the Water-Energy-Food nexus. These will include:

- **Policymakers** from African<sup>2</sup> and European institutions<sup>3</sup>, as well as national ministries<sup>4</sup> (Environment, Energy, Agriculture, Water and Irrigation, Economy, etc.) and parliaments.
- **Scientists** from across the EU and Africa, including those involved in collaborative research projects funded by FP7, Horizon 2020, the African Union Research Grants, the ACP S&T Programme and the ERAfrica initiative.
- **Senior EU/Africa policymakers and renowned scientists** working in the areas of water-food-energy.

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<sup>1</sup> <https://ec.europa.eu/jrc/en/event/training-course/jrc-iiasa-summer-school-2015-evidence-and-policy>

<sup>2</sup> African Union Commission (AUC), Pan-African Parliament, NEPAD, African Regional and Economic Communities, etc.

<sup>3</sup> European Commission (JRC, DEVCO, RTD, REGIO, ENER, AGRI, GROW, ESTAT, etc.), European Parliament, Committee of the Regions, EEAS, etc.

<sup>4</sup> Civil servants (e.g. Ministry of Environment, Ministry of Energy, Ministry of Agriculture, Ministry of Development, Ministry of Science, Research and Innovation), Members of national parliaments, etc.

- **Keynote** speakers and masterclass facilitators.

### **Rationale:**

The Water, Energy and Food Security (W-E-F) Nexus<sup>5</sup> is a complex and multi-dimensional policy and scientific issue, covering both sustainability and resilience aspects,<sup>6</sup> which calls for an integrated policy approach. Deepening the evidence base and improving its impact on policy decisions in the field of sustainable development is therefore particularly important. The event will support this challenging task by helping scientists and policymakers, from Europe and Africa working on the nexus, to consider and understand better the constraints and demands from both the scientific and the policy-making perspective, as well as to develop together new skills in using evidence for policy. Expert practitioners in the use of evidence to inform policy will also participate to share their knowledge and experience with the participants.

### **Format:**

The event will be highly participatory with some lectures to set the scene, but most of the time will be dedicated to working practices, skills, behaviours and methods in both the scientific and policymaking domains, in the form of masterclasses and group work. The interaction between policymakers and scientists should enable better understanding of the use of evidence, models and scenarios in the process of policy development.

On the 31<sup>st</sup> August 2016, participants will be joined by senior EU and AU policymakers and world-renowned scientists, including laureates of the African Scientists Award. This will provide an opportunity for participants to interact with them and to learn more about the high-level science-policy challenge in the water-energy-food nexus.

### **Sustainability:**

- **Multipliers:** To ensure a ripple effect, participants were selected based on their capacity to share their learnings with their peers and use the skills they acquire in practice, strengthening the policy-evidence interface in their own national/institutional context.
- **Partnerships:** A number of organisations will be associated to the event in order to ensure the sustainability of this initiative by organising similar events, acting as multipliers.
- **Guidelines:** The event will prepare a lessons learned document to support the work of multipliers. It will also make the course material developed for the event available to the African Union for the organisation of similar capacity development events.
- **Online Platform:** The participants will be able to exchange information and collaborate through a dedicated group on the Capacity4Dev platform at [capacity4dev.ec.europa.eu/eu-au-iiasa-evidence-and-policy](http://capacity4dev.ec.europa.eu/eu-au-iiasa-evidence-and-policy).

### **Associated partners:**

The event will partner with international organisations, such as INGSA.<sup>7</sup>



<sup>5</sup> European Report on Development, *Confronting Scarcity: Managing Water, Energy and Land for Inclusive and Sustainable Growth*, Overseas Development Institute (ODI), European Centre for Development Policy Management (ECDPM), German Development Institute/Deutsches Institut für Entwicklungspolitik (GDI/DIE), 2011/2012.

<sup>6</sup> The resilience dimension would include disaster risk management.

<sup>7</sup> International Network of Government Science Advisors



**EU-AU-IIASA Evidence and Policy Event**  
(30 August to 2 September 2016, Ispra, Italy)  
[@EU ScienceHub](#), #EUSci4Pol

Tuesday 30<sup>th</sup> August 2016:

08h15 *Bus departs from hotel*

09h15 Registration *[Entry Foyer, Building 58C]*

10h00 Welcoming remarks by Krzysztof Maruszewski, Director for Knowledge Management, DG JRC, European Commission *[Auditorium, Building 58C]*

10h15 Introduction to the day and icebreaker by David Mair ([@DavidMair4](#)), DG JRC, European Commission *[Auditorium, Building 58C]*

10h30 **Lecture:** *Challenges, pitfalls and practice of evidence-informed policymaking* by Isayvani Naicker ([@IsayvaniNaicker](#)), Chief Director of International Resources, Department of Science and Technology, Government of South Africa (30mins), followed by Q&A *[Auditorium, Building 58C]*

11h30 Introduction to **World Café** and *Pause café* *[Auditorium, Building 58C]*

12h00 **World Café:** *What are the Do's and Don'ts for evidence-informed policymaking?* led by David Mair ([@DavidMair4](#)) and Stephen Davies ([@Stephen\\_EUK](#)), DG JRC, European Commission

Working in groups of ten (five policy officers and five scientists), each group is asked to identify up to three Do's and up to three Don'ts for the effective use of evidence to inform policy.

*[Rooms 12A and 12B, Building 58C; Room 2002 and 2302, Building 101]*  
12h30 **Do's and Don'ts:** Responses will be consolidated in a plenary session leading to an open discussion on the main points raised. *[Auditorium, Building 58C]*

13h00 *Lunch* *[Coffee area, Building 58C]*

14h30 **Masterclasses: *How to work at the science-policy interface***

Introduction followed by four parallel sessions *[Auditorium, Building 58C]*

Facilitators: Claire Craig ([@RoyalSociety](#)), Royal Society, UK

*[Room 1302, Building 101]*

Isayvani Naicker ([@IsayvaniNaicker](#)), Chief Director of International Resources, Department of Science and Technology, Government of South Africa *[Room 2002, Building 101]*

Nelson Torto, Chief Executive Officer, Botswana Institute for Technology Research and Innovation

*[Room 1102 – TERRA, Building 100]*

Ken Hughey ([@Kentabury](#)), Chief Science Advisor for Department of Conservation, New Zealand *[Room 2102 – ARIA, Building 100]*

16h00 *Pause café* [Coffee area, Building 58C]

16h30 **Wrap-up** of preliminary inception day, take away messages  
[Auditorium, Building 58C]

17h00 Visit to JRC Ispra Site Laboratories and Facilities

	17:00 – 17:40	17:50 – 18:10	18:10-18:30
<b>Group 1</b>	<b>European Solar Test Installation Laboratory</b> <i>Building 45</i>  Nigel Taylor, Energy Efficiency and Renewables Unit	<b>Water Innovation Support Laboratory</b> <i>Building 100, Ground Floor</i>  Bernd Gawlik, Water and Marine Resources Unit	<b>Molecular Ecology Laboratory</b> <i>Building 100, First Floor</i>  Teresa Lettieri, Water and Marine Resources Unit
	17:00 – 17:20	17:20 – 17:40	17:50 – 18:30
<b>Group 2</b>	<b>Water Innovation Support Laboratory</b> <i>Building 100, Ground Floor</i>  Bernd Gawlik, Water and Marine Resources Unit	<b>Molecular Ecology Laboratory</b> <i>Building 100, First Floor</i>  Teresa Lettieri, Water and Marine Resources Unit	<b>European Solar Test Installation Laboratory</b> <i>Building 45</i>  Nigel Taylor, Energy Efficiency and Renewables Unit

18h30 Departure from outside building 100, buses to hotel(s)

19h30 *Evening meal* [ATA Hotel Restaurant]

Wednesday 31<sup>st</sup> August 2016

07h45 *Bus departs from hotel; registration on the bus*

09h00 **Formal Opening** by Vladimír Šucha ([@VladimirSucha](#)), Director-General, DG JRC, European Commission, Pavel Kabat ([@IIASAVienna](#)), Director-General and CEO, IIASA and Peter Gluckman ([@PeterGluckman](#)), Chair of INSA and Prime Minister's Chief Science Advisor, New Zealand [Video address]  
*[Auditorium, Building 58C]*

09h45 **High-Level Discussion Panel**  
The panel will be invited to address specific questions on the science-policy interface in the Water-Energy-Food Security nexus, namely: *[Auditorium, Building 58C]*

- What are the challenges for policymaking in the water – energy – food security nexus?
- What evidence exists and what more is needed to address these challenges?
- How can policymakers and scientists work together to address these challenges?

**Moderator:**

David Wilkinson, Director for Sustainable Resources, DG JRC, European Commission

**Panel Members:**

Claire Craig ([@RoyalSociety](#)), Director of Science Policy, Royal Society, UK

Pavel Kabat ([@IIASAVienna](#)), Director-General and CEO, IIASA

Isayvani Naicker ([@IsayvaniNaicker](#)), Chief Director of International Resources, Department of Science and Technology, Government of South Africa

Flavia Schlegel ([@UNESCO](#)), Assistant Director-General for the Natural Sciences, UNESCO

11h30 *Pause café* *[Coffee area, Building 58C]*

12h00 **Keynote Lecture: Evidence and Policy: Why and How?**  
by Vladimír Šucha ([@VladimirSucha](#)), Director-General, DG JRC, European Commission  
*[Auditorium, Building 58C]*

13h00 *Lunch*, with **Poster Session** whereby participants present themselves and their work (on one A3-size pre-prepared poster). *[Atrium, Building 101]*

15h00 **Participants ice-breaker** led by David Mair ([@DavidMair4](#)), DG JRC, European Commission  
*[Auditorium, Building 58C or, if the weather permits, outside Building 101]*

15h30 **Water-Energy-Food nexus scenario workshop**

Joint workshop involving all participants to undertake role-playing to address the water-energy-food nexus issues from different stakeholders' viewpoints. Plenary introduction followed by parallel group work.

*[Auditorium and Meeting Rooms, Buildings 58C, 26A, 100 and 101]*





[Auditorium, Building 58C]

*[Meeting Rooms, Buildings 26A, 58C, 100 and 101]*

[Atrium, Building 101]

[Meeting Rooms, Buildings 26A, 58C, 100 and 101]

[Atrium, Building 101]

[Meeting Rooms, Buildings 26A, 58C, 100 and 101]

[Atrium, Building 101]

[Auditorium, Building 58C]

[Auditorium, Building 58C & Meeting Rooms, Buildings 26A, 58C, 100 and 101]

[Atriums 100 and 101]



Friday 2<sup>nd</sup> September 2016

08h00 *Bus departs from hotel*

09h00 Plenary assembly to reflect on event so far. *[Auditorium, Building 58C]*

09h30 **Masterclasses (4<sup>th</sup> Session)** *[Meeting Rooms, Buildings 26A, 58C, 100 and 101]*

11h00 *Pause café* *[Atrium, Building 101]*

11h30 **Masterclasses (5<sup>th</sup> Session)** *[Meeting Rooms, Buildings 26A, 58C, 100 and 101]*

13h00 *Lunch* *[Atrium, Building 101]*

14h00 **Masterclasses (6<sup>th</sup> Session)** *[Meeting Rooms, Buildings 26A, 58C, 100 and 101]*

15h30 *Pause café* *[Atrium, Building 101]*

16h00 **Poster Presentation Session**

*[Auditorium Building 58C]*

Participants to review and discuss the proposals presented as posters. Each will be asked to indicate (vote for) their (up to 3) preferred ones.

17h00 **Wrap-up Session** led by David Mair ([@DavidMair4](#))

In plenary, to review outcomes of masterclasses, acknowledge the top three poster proposals identified, plus have the participants give their reflections on the event and take home messages.

*[Auditorium, Building 58C]*

17h30 **Closing** by Maive Rute ([@MaiveRute](#)), Deputy Director-General, DG JRC, European Commission

*[Auditorium, Building 58C]*

17h45 *Departures*

## **ANNEX: MASTERCLASSES**

Masterclasses will be arranged around common themes, as given below. Within each theme, the masterclasses are listed. Each participant is requested to select in advance which six masterclasses they wish to attend, selecting at least one from each theme.

### **1) Operating at the science-policy interface**

#### **1.1. Informed decision-making in crisis and disaster risk management situations**

*Facilitators:* Philippe Quevauviller, DG HOME, EC  
Oladoyin Odubanjo ([@doyinodubanjo](#)),  
Nigerian Academy of Science;  
[Room: 1302, Building 101]

#### **1.2. What counts as evidence: taking traditional, local and non-scientific knowledge into account**

*Facilitators:* Ken Hughey ([@Kentabury](#)), Chief Science  
Advisor for Department of Conservation, New  
Zealand;  
Simon Tamungang, University of Bamenda,  
Cameroon  
[Room: 1003, Building 101]

#### **1.3. Wicked problems: dealing with scientific and political controversies**

*Facilitators:* Rob Maas, National Institute for Public Health  
and the Environment, NL  
[Room: 2302, Building 101]

#### **1.4. Why do experts speak with many voices? The role of expertise in policy debates**

*Facilitators:* Joanne Bayer, IIASA  
Isayvani Naicker ([@IsayvaniNaicker](#))  
Department of Science and Technology,  
Government of South Africa;  
[Room: 2002, Building 101]

### **2) How to provide and use evidence**

#### **2.1. Making sense of satellite images**

*Facilitators:* Alan Belward, DG JRC, EC  
[Room: Michelangelo, Building 26A]

#### **2.2. Using research synthesis to make better decisions**

*Facilitators:* Phil Davies, Oxford Evidentia, UK  
Alex Ademokun ([@AAlex\\_A](#)), Department for  
International Development, UK  
[Room: Leonardo, Building 26A]

### 3) Techniques for co-creating policy

#### 3.1. How to use foresight to anticipate policy challenges

*Facilitators:* Fabiana Scapolo ([@fabianasc25](#)), Laurent Bontoux, DG JRC, EC  
Peter De Smedt ([@PeterSmedt](#)), TransitieLab  
[Room: Raffaello, Building 26A]

#### 3.2. The power of attention and the wisdom of your hands: practicing key principles of design for policy

*Facilitators:* Emanuele Cuccillato ([@ECuccillato](#)), DG JRC, EC  
Nelson Torto, Botswana Institute for Technology Research and Innovation  
[Room: 12a, Building 58C]

#### 3.3. Behavioural insights for policy design

*Facilitators:* Anna Fruttero, World Bank  
Girum Abebe Tefera, Ethiopian Development Research Institute  
[Room: 1003 - AQUA, Building 100]

### 4) Stimulating effective dialogue

#### 4.1. Stimulating effective engagement

*Facilitators:* Clara Richards ([@Clarari1](#)), INASP, UK  
Nyasha Musandu ([@NMusandu](#)), CommsConsult, Zimbabwe  
[Room: 1102 - TERRA, Building 100]

#### 4.2. Visualisation of data and messages

*Facilitators:* Darren McGarry ([@DarrenMcGarry2](#)), DG JRC, EC  
Francois Kayitakire, DG JRC, EC  
[Room: Athena, Visitors' Centre, Building 46]





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