



**14.30 REGISTRATION STARTS**

**WELCOME TO THE EUROPEAN PARLIAMENT**

**15.00 OPENING AND WELCOME**

Michèle Rivasi, Member of the European Parliament

**WELCOME FROM THE EUROPEAN CITIZEN SCIENCE ASSOCIATION (ECSA)**

Professor Johannes Vogel, Chair of ECSA, Director of the Berlin Natural History Museum

**15.30 – 17.00 KEYNOTE PRESENTATIONS**

Moderator: Martin Brocklehurst, Founder Member of ECSA, Policy Committee Chairman

**INTERNATIONAL PERSPECTIVE ON CITIZEN SCIENCE**

**UN SUSTAINABILITY GOALS AND THE ROLE OF CITIZEN SCIENCE**

Professor Jacqueline McGlade - Chief Scientist, UN Environmental Programme, Kenya

**THE INDIVIDUAL PERSPECTIVE ON CITIZEN SCIENCE**

**A CITIZEN'S VIEW OF TAKING PART IN CITIZEN SCIENCE**

Hanny van Arkel, a Teacher who discovered rare astronomical objects

**EUROPEAN PERSPECTIVE ON CITIZEN SCIENCE**

**INTRODUCING DOING IT TOGETHER SCIENCE – AN EU CITIZEN SCIENCE PROJECT**

Muki Haklay, Director, ExCiteS (Extreme Citizen Science), University College London, UK

**MEMBER STATE PERSPECTIVE ON CITIZEN SCIENCE**

**EU CITIZENS AGAINST GLOBALISED MOSQUITO-BORNE DISEASES**

Dr. John Palmer (UPF), Mosquito Alert (CREAF, CEAB-CSIC), Spain



# POLICY BRIEFING FOR THE COMMISSION

## EUROPEAN CITIZEN SCIENCE ASSOCIATION



### **POLICY GROUP –Exchanging Information with the Commission**

#### **BRIEFING FOR MEP'S SEPTEMBER 2016**

- SPONSORED PARLIAMENTARY BRIEFING ON CITIZEN SCIENCE SEPTEMBER 2016
- Martin Brocklehurst Hon Chair ECSA Policy Working Group



### **SECOND BRIEFING FOR TECHNICAL EXPERTS 2016**

LUNCH TIME SEMINAR FOR DG ENVIRONMENT; DG CONNECT; DG RESEARCH  
ROUTINE EXCHANGE OF INFORMATION WITH KEY POLICY LEADS DG ENVIRONMENT; DG CONNECT & DG RESEARCH



# EUROPEAN CITIZEN SCIENCE ASSOCIATION

How significant is Citizen Science

US Washington University estimate that Citizen Science has:

- Involved 1.3 – 2.7 million volunteers in biodiversity research;
- Added value of \$2.3 billion per year to the US economy;
- Delivered hands on STEM Learning to its citizens;
- Connecting the public directly to Federal Missions.

- In the EU based on Member State experience we can mobilise nearly 5 million people to take part in Citizen Science Programmes





# EUROPEAN CITIZEN SCIENCE ASSOCIATION

**Citizen Science is not just about the Environment**

Citizens have taken part in programmes to;

- solve the structure of an AIDS-related enzyme;
- to map the 3-D structure of neurons in the brain;
- to discover a new class of galaxy and map the surface of Mars;
- improve predictive models for coastal change & vulnerability to extreme storms;
- to collect personal genomic data and patient or caregiver insights into disease;
- collect time-critical information for emergency response;
- to tag millions of archival records;
- combine crowd sourced traffic congestion maps & distributed-sensor data to shorten commuting times and make roads safer; and
- measure mobile broad band performance across America.





# EUROPEAN CITIZEN SCIENCE ASSOCIATION

## Citizen Science – 6 Key European Challenges

- How do we mainstream Citizen Science into the European Union policy process and exceed the US White House achievements with their Federal Agencies ?
- How do we achieve a “Platform” for Citizen Science within the EU Chaired by Senior Political figures to map out how to main stream Citizen Science into the work of the Commission?
- How can we establish policy leads on citizen science in key EU Directorates and within the EU Parliament to work with ECSA and to support engagement?
- Most EU Directives or Regulations, do not recognise Citizen Science. Many provide real barriers to the use of Citizen Science Data. How do we change the status quo?
- How do we establish common templates that Policy makers can use to make recommendations on where Citizen Science makes sense in future Directives?
- How do we establish and maintain a common European data base system that citizens can use to store data and interrogate ?
- How do create robust institutional frameworks to encourage Citizen Science?



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