



# Optimizing scientific value through engagement with society.

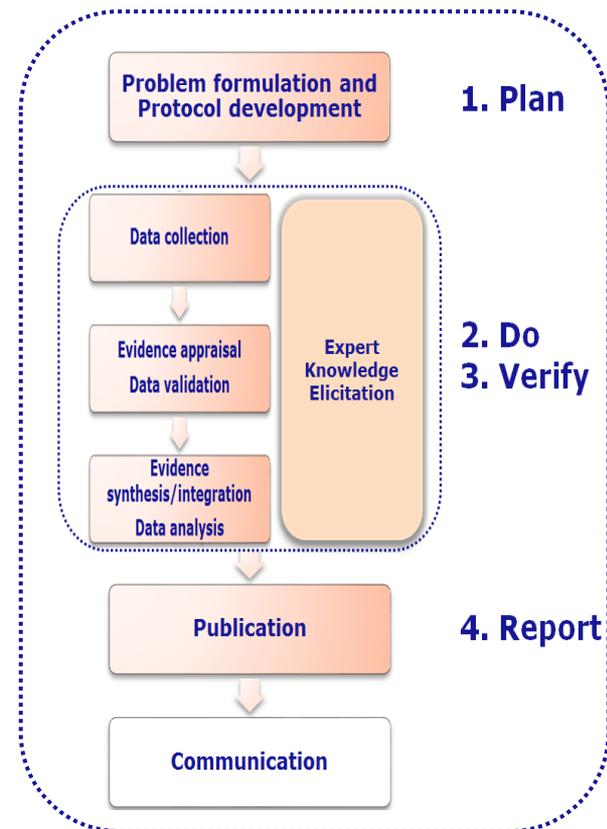
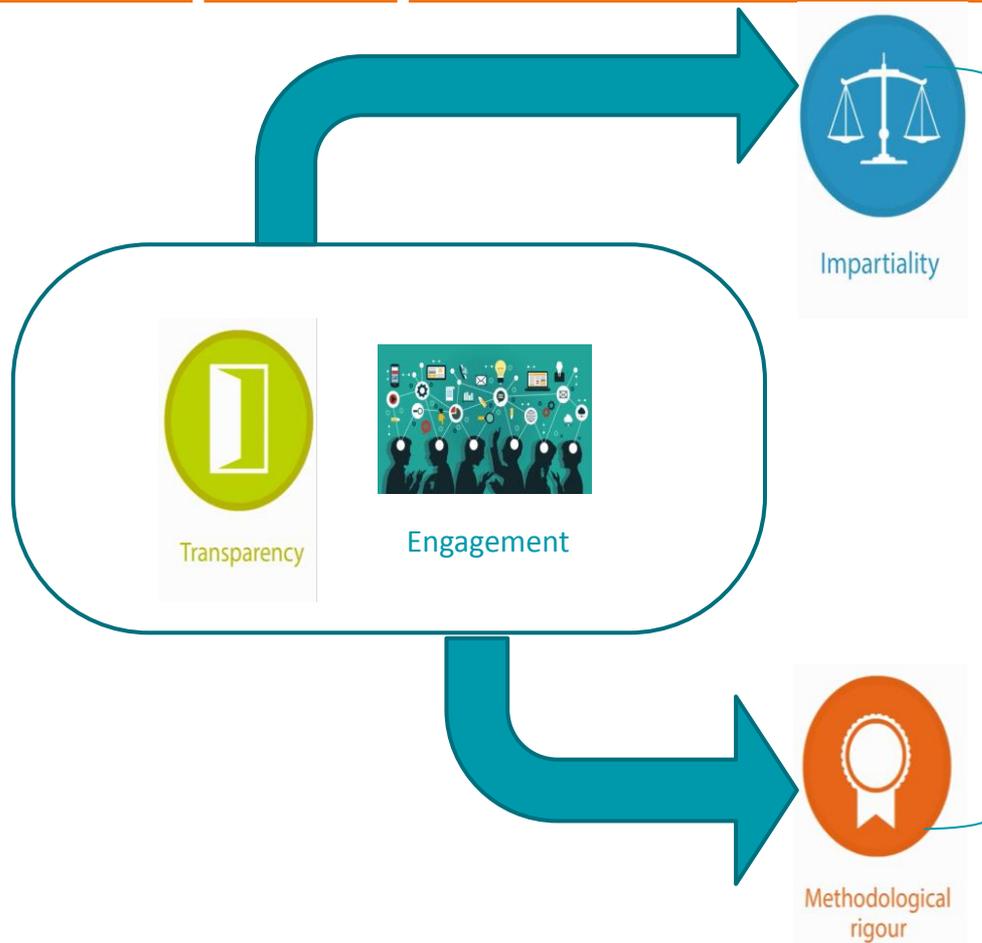
Steps taken and direction to go

**Didier Verloo**  
**@dverloo**

20 September 2020

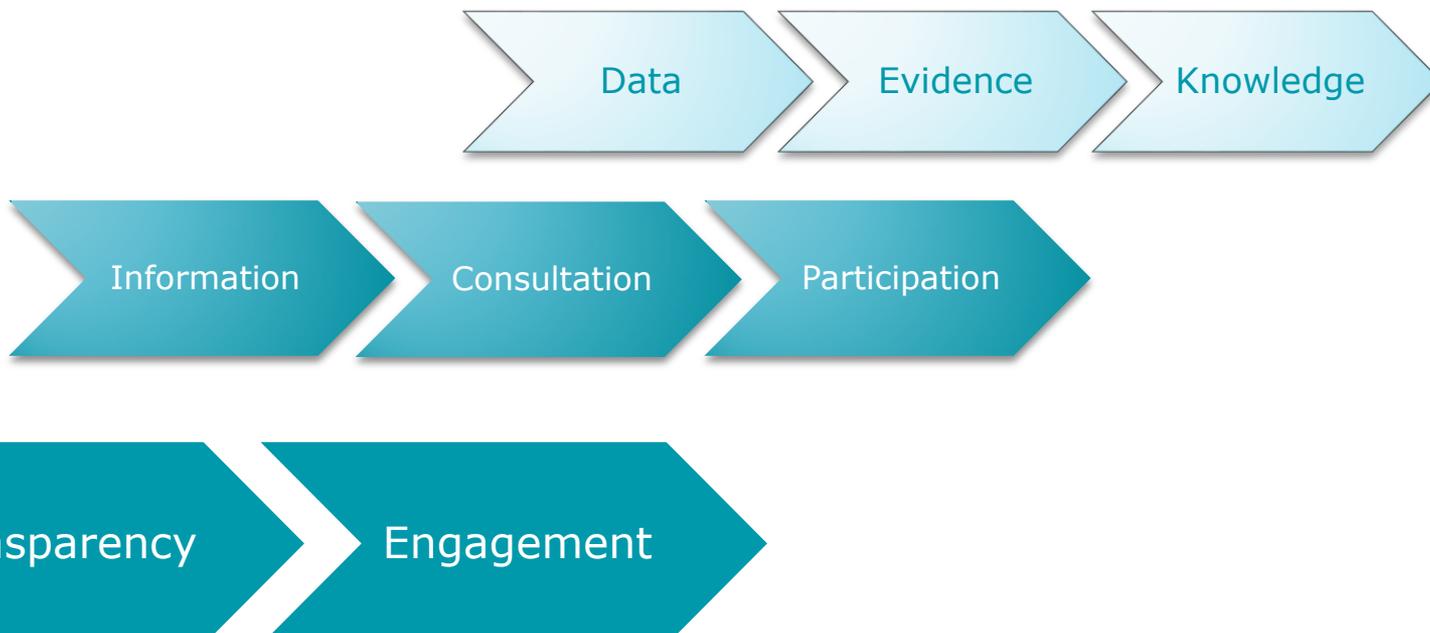
# The principles of Scientific Value

## MANDATE



# The road via transparency and engagement to scientific value

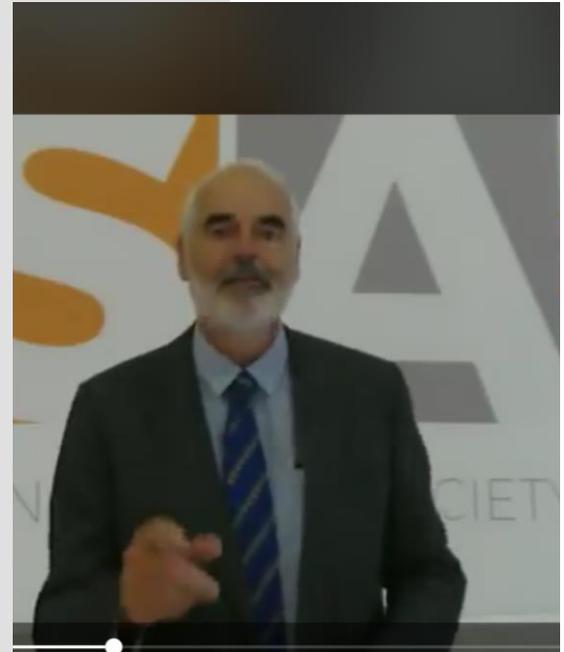
Communicating Showing Sharing Caring Cooperating Helping Growing Evolving



# Check the box on intelligent transparency

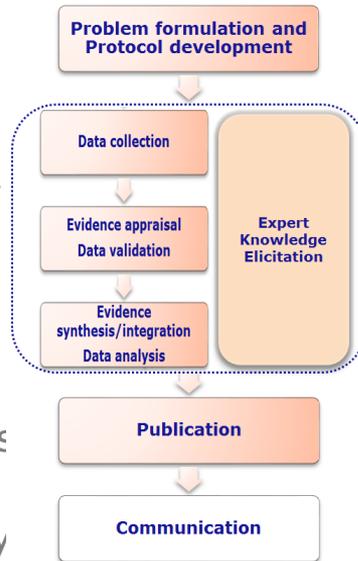
## Trustworthy communication of uncertainty

- **Intelligent transparency:** *accessible, intelligible, useable, assessable*
- **Be confident about uncertainty**
- **Listen to audiences**, and test all outputs
- Vigorously **pre-empt misunderstandings**
- **'Star-ratings'** for underlying quality of evidence?
- **Work closely** with communication professionals and journalists



# Transparency actions leading to engagement

- EFSA journal
- Risk assessment protocols publication and sharing
- Knowledge junction to share protocols, evidence and risk assessment models completely traceable
- Data warehouse accessible (human and machine access) with online analysis dashboards
- Risk assessment models accessible to all and run in any web browser
- Open plenaries



- 1. Plan
- 2. Do
- 3. Verify
- 4. Report

- Understanding science videos
- Available Risk assessment methodological guidances
  - Uncertainty, Weight of evidence, Biological relevance
  - Systematic review guidance
  - Expert knowledge elicitation guidance
  - Re-opening of an opinion
- Harmonising and capacity building through EU-fora

# Data warehouse

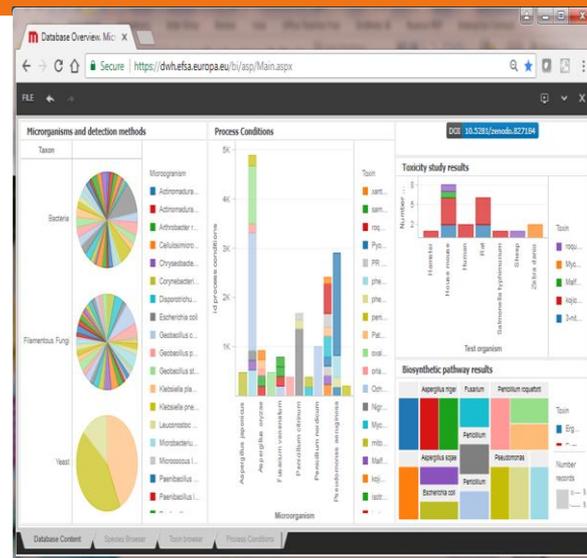
 [data.europa.eu](https://data.europa.eu)



The [European Union Open Data Portal](https://data.europa.eu) is your single point of access to open data produced by EU institutions and bodies.



The [European Data Portal](https://data.europa.eu) harvests the metadata of Public Sector Information available on public data portals across European countries.



The domain [data.europa.eu](https://data.europa.eu) is managed by the [Publications Office of the EU](https://publications-office.europa.eu).



# RA models and tools that run in your browser



**ribess**

risk based surveillance systems



**bmd**

benchmark dose modeling



**sampelator**

sample size calculator



**MDR**

multi-drug resistance analysis



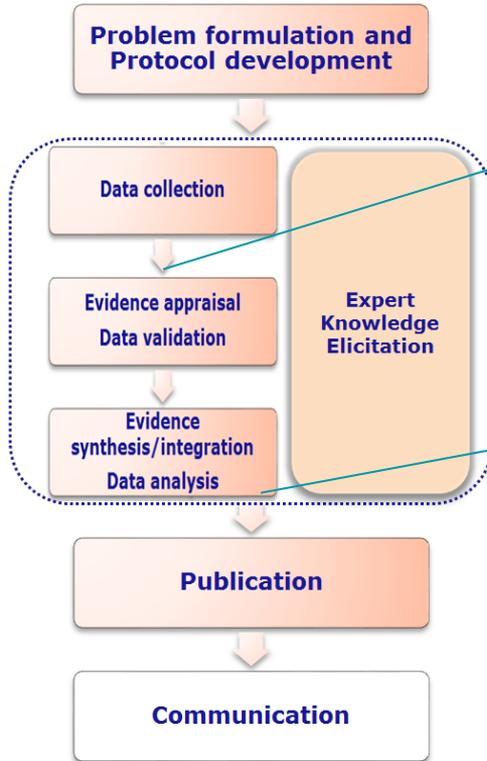
**Abstract Screening**



**spatial**

exploratory analysis for spatio-temporal epidemiology

# Machine learning



## 1. Plan

Machine learning techniques for the automation of literature reviews and systematic reviews in EFSA

Systematic Reviews, Machine Learning, screening, data extraction, Sensitivity, Specificity

First published in EFSA Supporting Publications:  
14 giugno 2018

Issued: 15 maggio 2018

Type: External Scientific Report

### Area tematica

Attività scientifiche interdisciplinari

### Temi correlati

## 2. Do 3. Verify

Machine learning techniques for the automation of literature reviews and systematic reviews in EFSA

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### Temi correlati

## 4. Report

# Open plenaries

## Open/upcoming plenary meetings

### 3rd plenary meeting of the open CEP Panel

23 October 2018 to 25 October 2018 📍 Parma

On-line registrations available soon [Registration open](#)

### Plenary meeting of the CONTAM Panel

14 November 2018 to 15 November 2018 📍 Parma

Registration available soon

### 91st Plenary meeting of the Scientific Committee

21 November 2018 to 22 November 2018

Registration available soon

### Plenary meeting of the BIOHAZ Panel

5 December 2018 to 6 December 2018

Registration available soon



EFSA @EFSA\_EU · 07/12/2017

We set dates for open meetings of our scientific panels and Scientific Committee next year. All plenaries will take place in #Parma and will be streamed live. Have a look and save the date! #OpenEFSA [bit.ly/2BHFxap](https://bit.ly/2BHFxap)



🗨️ 🔄 3 ❤️ 9 📤



EFSA @EFSA\_EU · 14/05/2018

The plenary meeting of the Panel on #FoodAdditives & Nutrient Sources Added to Food will take place tomorrow. Register for the live streaming #OpenEFSA

[ow.ly/Wocz30jZ8wC](https://ow.ly/Wocz30jZ8wC)



🏠 🔍 🔔 ✉️



# SHARING AND CITING EVIDENCE AND TOOLS

vodafone IT 4G 13:09 Personal Hotspot: 1 Connection 97%

zenodo.org

## Knowledge Junction

### Recent uploads

Search Knowledge Junction

September 14, 2018 (v1) Lesson Open Access

View

#### EFSA food safety and public health desktop simulation exercise documents

Andrew Vincent; Rolf Merchant;

In May 2018, EFSA, ECDC, AGES and BfR co-facilitated a workshop on preparedness for a multi-national food safety/public health incident ([https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/sp.efsa.2018.EN-1480\[1\]](https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/sp.efsa.2018.EN-1480[1])). The overall objectives were: i) facilitate networking of food safety and public he

Uploaded on September 16, 2018

September 13, 2018 (v3) Dataset Open Access

View

#### Tables and Figures complementing the European Union Summary Report on Antimicrobial Resistance in Zoonotic and Indicator Bacteria from Humans, Animals and Food in 2016

European Food Safety Authority; European Centre for Disease Prevention and Control;

All tables, figures and maps produced for the European Union Summary Report on Antimicrobial Resistance in Zoonotic and Indicator Bacteria from Humans, Animals and Food in 2016 are provided.

Uploaded on September 13, 2018

2 more version(s) exist for this record

 New upload

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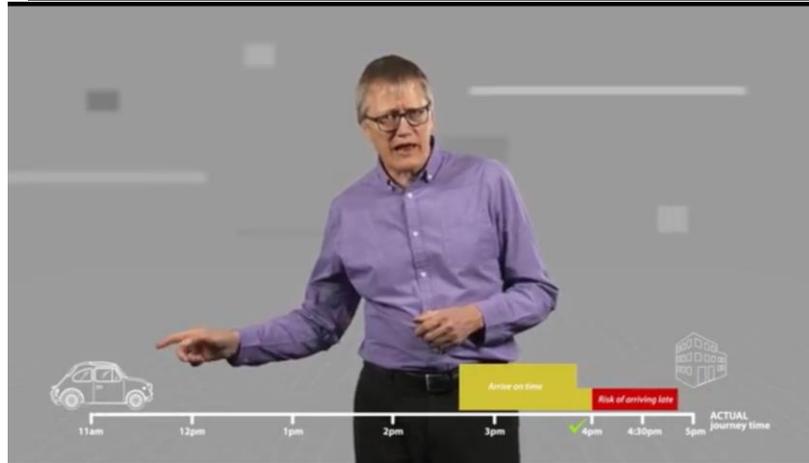
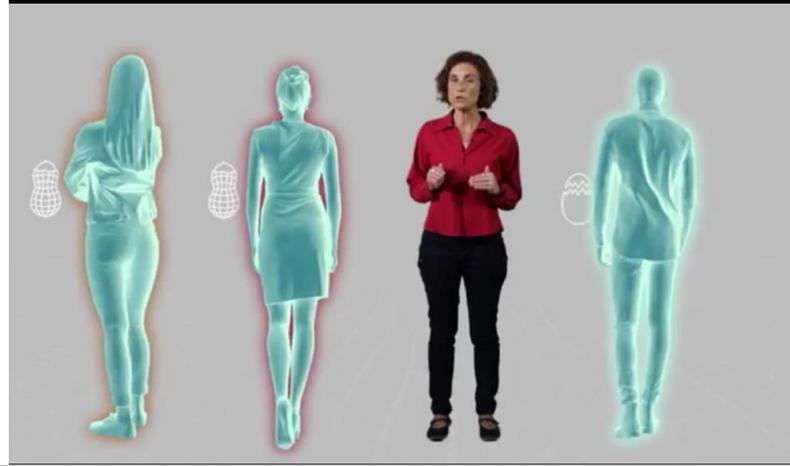
Community



Knowledge Junction

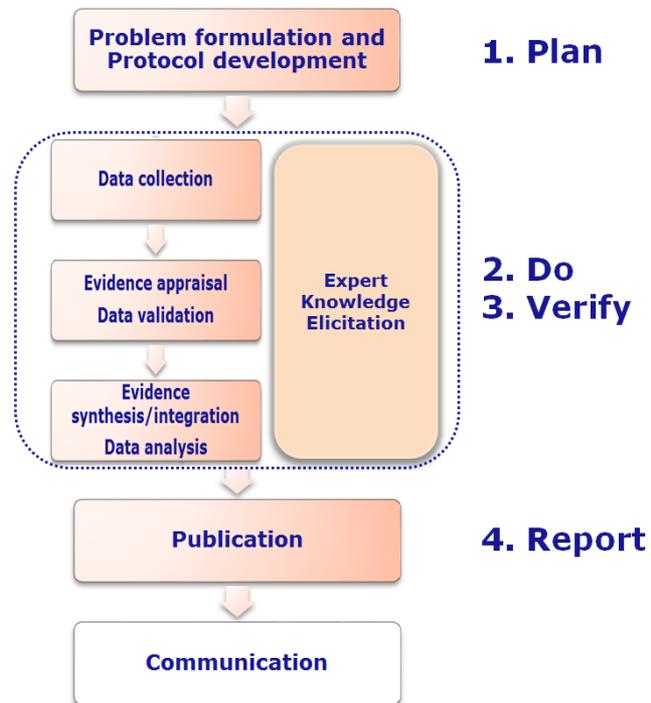


# Understanding Science video's



# Optimising impartiality by engaging with society

- Consultations at different stages of the Risk Assessment
- Public consultation on risk assessment protocols



# Protocol consultation

## Public consultation: sugars in food



**EFSA is seeking feedback on the approach it plans to take for its upcoming assessment of dietary sugars. The aim of the assessment is to establish a cut-off value for intake of “free” sugars that is not associated with adverse health effects.**

EFSA’s Panel on Dietetic Products, Nutrition and Allergies (NDA) has drafted a protocol to define the methods for:

- collecting data (i.e. which data to use for the assessment and how to identify and select them);
- appraising the relevant evidence; and
- analysing and integrating the evidence to draw conclusions that will form the basis of the scientific opinion.

## Protocol published for sodium DRVs



**EFSA has finalised the protocol it will use to establish dietary reference**

## BPA plan ready for new EFSA assessment in 2018



**Feedback from a public consultation has helped EFSA to finalise the strategy for its next re-evaluation of the toxicity of bisphenol A (BPA). A “scientific protocol” that transparently details upfront the scope, methodology and information needs before the assessment starts has been published today together with the outcome of the external consultation EFSA held on this preparatory work.**

BPA is a chemical widely used to manufacture plastics and resins. EFSA has assessed its safety for use in food contact materials several times, most recently in 2015 when it also committed to re-evaluate BPA toxicity when the results of newly performed studies by the [Consortium Linking Academic and Regulatory Insights on BPA Toxicity](#) (CLARITY-BPA project) become available.

Engaging with stakeholders helped shape final text

## Public consultation: sugars in food



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# Optimising methodological rigour through engagement

- Consultation on guidance documents
- Crowd sourcing for innovation and data gathering
- Expert knowledge Elicitations
- Knowledge junction



# Consultation and participation in methods

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## Public consultation on draft 'Guidance on Communication of Uncertainty in Scientific Assessments'

Deadline: 24 June 2018

**Subject area**

Methodology

[Draft guidance](#) (917.15 KB)

[Privacy Statement](#) (152 KB)

EFSA has launched an open consultation on a draft 'Guidance on

## Register now! Joint EFSA/BfR International Conference on Uncertainty in Risk Analysis

On-line participants **Registration open** deadline: 13 February 2019

**Related topics**

Uncertainty assessment

Berlin, Germany, 21 February 2019 to 22 February 2019



## Events

go to calendar

- |             |  |          |
|-------------|--|----------|
| APR 24 2018 | <u><a href="#">EFSA scientific colloquium "Omics in risk assessment: state-of-the-art and next steps"</a></u>  | Berlin   |
| OCT 25 2017 | <u><a href="#">The science of combining apples and oranges: Joint EFSA/EBTC scientific colloquium on evidence integration in risk assessment</a></u> | Lisbon   |
| JUN 14 2016 | <u><a href="#">EFSA Scientific Colloquium N°22 'Epigenetics and Risk Assessment: Where do we stand?'</a></u>   | Valencia |

11:17 efsa.europa.eu 91%

Stakeholder engage... www.efsa.europa.eu/si... Honored by Trump, MS... Videos | European Foo... Public consult...

## Public consultation on Guidance on The Use of the Weight of Evidence Approach in Scientific Assessments

Deadline: 1 May 2017

**Subject area**

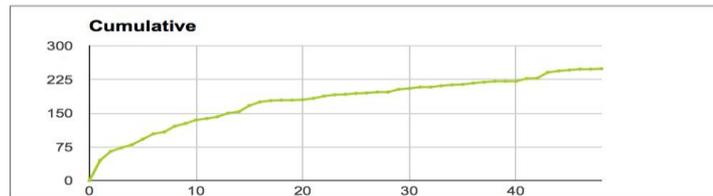
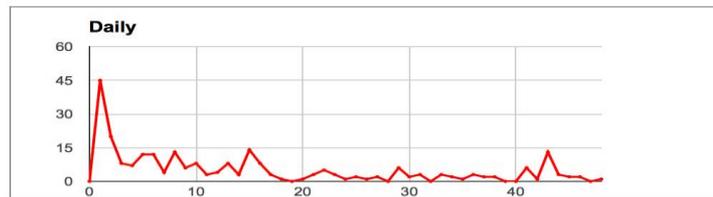
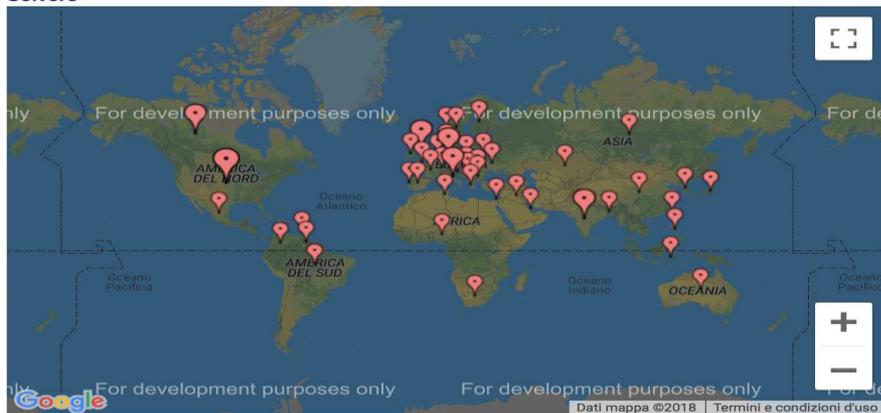
Methodology

[Document](#) (1.3 MB)

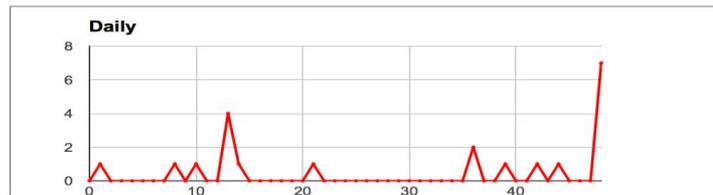
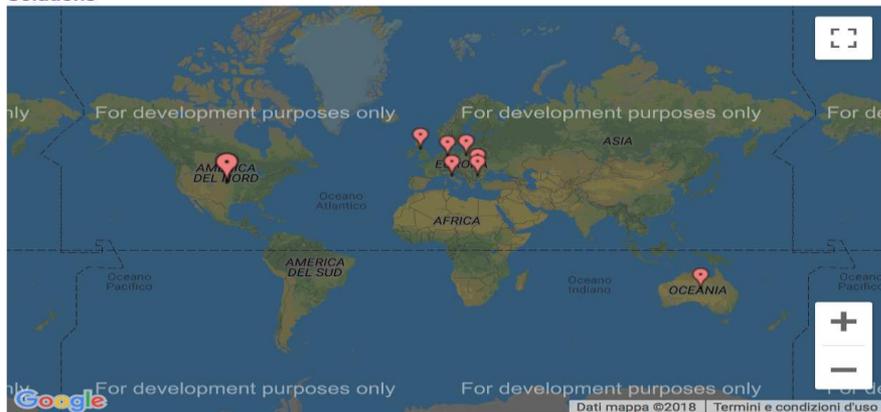
[Privacy statement](#) (81.99 KB)

# CROWDSOURCING

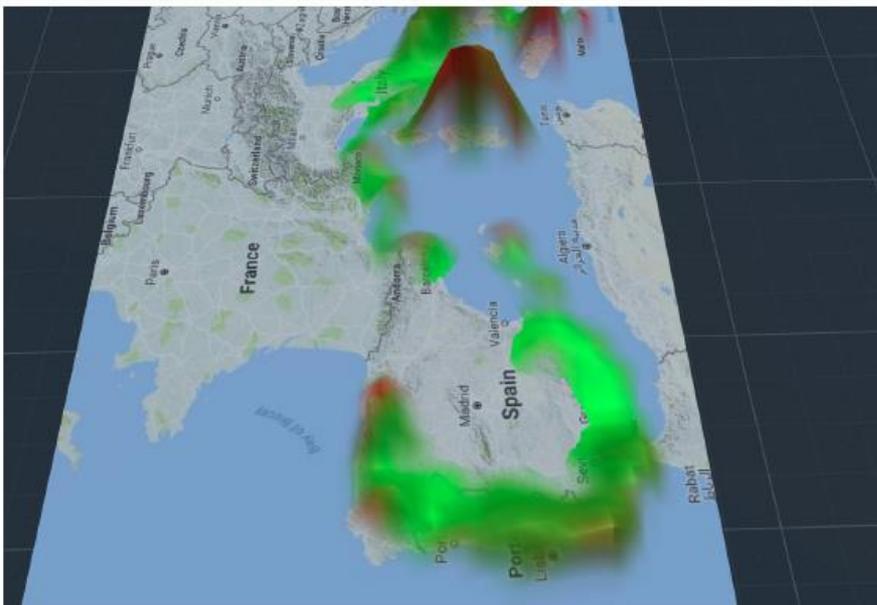
## Solvers



## Solutions

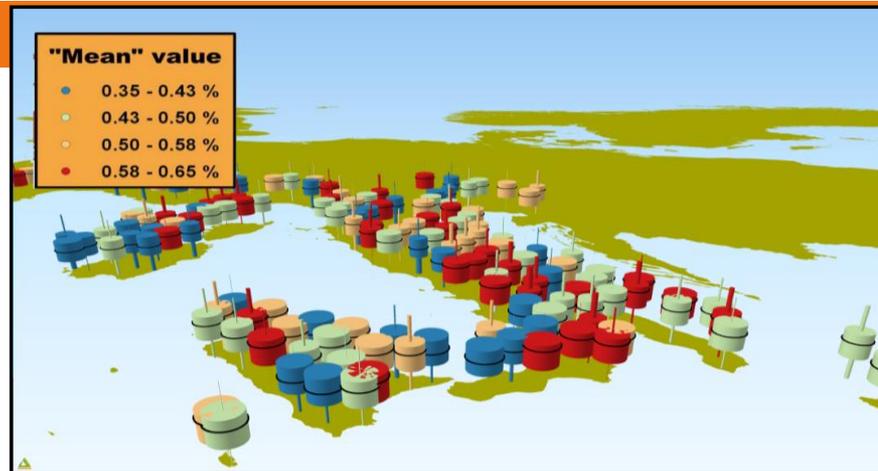


# CROWDSOURCING



Seats are going for #Eudatathon2018 on 2 October!  
Don't miss your chance to meet the finalists, discover their innovative apps and follow the awards ceremony!  
To reserve your seat, register now! Hurry!

[publications.europa.eu/eudatathon](https://publications.europa.eu/eudatathon)



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## EFSA to the people

European Union Apps

OPEN

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Not Enough Ratings

4+

Age

### What's New

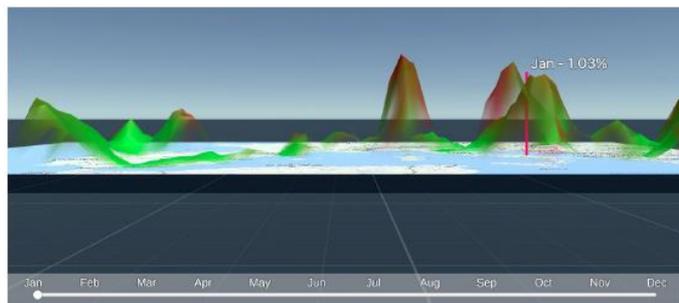
- Improved external link navigation on iOS devices,
- Link to EFSA Journal opinions on Wiley,

[Version History](#)

2mo ago

Version 1.3.2

### Preview





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