

WP1: Policy, Impact and Sustainability

Catherine Gater, EGI.eu
Stefan Janusz, QMUL
WP1 Leader





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- How WP1 reports on the successes of e-science
- Methodologies used to collect feedback and measure impact
- Meetings, GridCast and 10th eConcertation Meeting
- Summary



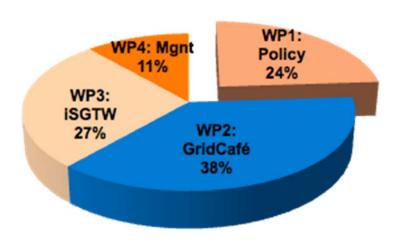


WP1 Overview

3 Beneficiaries46 PMs1.6 FTEs

| Participant no. | Name | Effort (PM) |
|-----------------|------|-------------|
| 2 | QMUL | 28 |
| 3 | APO | 5 |
| 5 | CERN | 13 |

e-ScienceTalk Effort Distribution



- 1.1 Production and distribution of escience policy articles and reports (QMUL and APO)
- **1.2 Impact and sustainability** (QMUL with CERN and APO))
- 1.3 Events attendance and media impact event organisation (QMUL with CERN and APO)





WP1 Objectives

- Produce reports targeting policy makers in government and business
- Expand the audience and distribution list
- Assess the impact of e-ScienceTalk's products and formulate a sustainability plan
- Identify, attend and disseminate the outcomes of meetings in order to influence scientists, funders and industry
- Assume a key leading and coordinating role in the EC concertation activities and meetings related to the e-Infrastructure area, maximising media impact







- Target policy makers in government and business
- Provide overview of relevant projects
- Leaders in the field
- Read in about 10 minutes; provide pointers for more in-depth coverage



society. These are the broad objectives that are hoped to be achieved in Europe by Horaon 2020. At the 10th be a greater proceduring, now, there is likely to be a greater emphasis on public-private partnerships for DG Coronar information meeting in Brosseb, Kossas DG Coronar information within the ECS tested. Variations of pay-for-use, a model familiar both DG Cornect information society and media provided an to industry and increasingly to academic research when overview of Horson 2020 and what it would mean for e-science, e-infrestructures being developed need to reflect it comes to cloup services, are being tested for grid. The media to act springestically: to coordinate at the level of into the stanning phase the specific impossion activities to obligge-case funding, emphasise centres of expertise and must also go beyond science, reach out to industry and work for the benefit of society.

does, vice President, European in the month of the Commission President President Indian Authorities used for e-science operate, to manufactures used for e-science operate, to manufactures used for e-science operate. of this budget can sall be a cissing. To maximise coordination and identify and build upon reason, no oveget can set or a creasor with a decision of the control of the cont this ine significancy increased with a neuropea write minimising overalp of widow 2020 will be making in EU. De-sloing 5 important: infrastructures built by To a very wind dissistant of that This it meeting in concerns with community, and they should be identified and ALL or any and addressed or that and a amounty in sumstrowy of protein and by script and properly and properl private analysis prod at widely at possible, including areas borders."

governance should be optimised, expensional training areas borders."



it comes to cloud services, are being tested for grid. The

national research centres; minimise overlap when it comes





September 2012: Transferring Technology and Knowledge

The computing power required by experiments at CERN, now realized for e-Science in the form of the WLCG, gave birth to the Web. Many other technologies, from system-on-chips to computer animations and medical imaging, have also benefitted from developments in e-Science and the skills it fosters in international collaborative research groups.





ertfordshire and Guillem Anglada-Escude of the versity of Göttingen announced the discovery of a new 'Super-Earth' - a rocky planet five times urger than ours – orbiting around the habitable lone of its parent star, where surface water would be liquid. They did this by analysing old data sets Big Data is not just confined to science: it pe e importance of keeping and curating data so can be reused later. But as science continues to oduce a deluge of data, is keeping it all even able – and will a future researcher from a different even completely new field be able to understand

It it's also about the variety of data being produced. Life governments openly, allowing app developers, for instance lences, social sciences and cognitive sciences produce to tap into data on public transport, or refuse collection data of many different types, including images, for example, and then present it in a useful way to the consumer.

The number 100 regresents the peak search volume

November 2012: Big Data

The masses of data being generated by scientific experiments might threaten a data deluge, were it not for the rapid progress being made in systems and methodologies being developed to store, curate and make accessible this Big Data. From climate to eHealth, data is the new oil.





February 2013: The Security Issue

Looking at alternatives to the password, the comparative security of open source versus proprietary, how e-Science projects simulate hacking attempts to improve security, and future technologies for security.

April 2013: e-Science in Horizon 2020

Focusing on the impact of Horizon 2020 on how e-infrastructures will operate, including new funding models for grid, increased synergies across research areas, and the importance of communication with projects such as e-ScienceTalk.







- E-ScienceBriefing Compendium
- Includes all 12 briefings
- Foreword from Thierry van der Pyl, DG Communications Networks
- Mailed to policy makers directly
- Distribution at events e.g. EGI
 Technical Forum 2013, Madrid





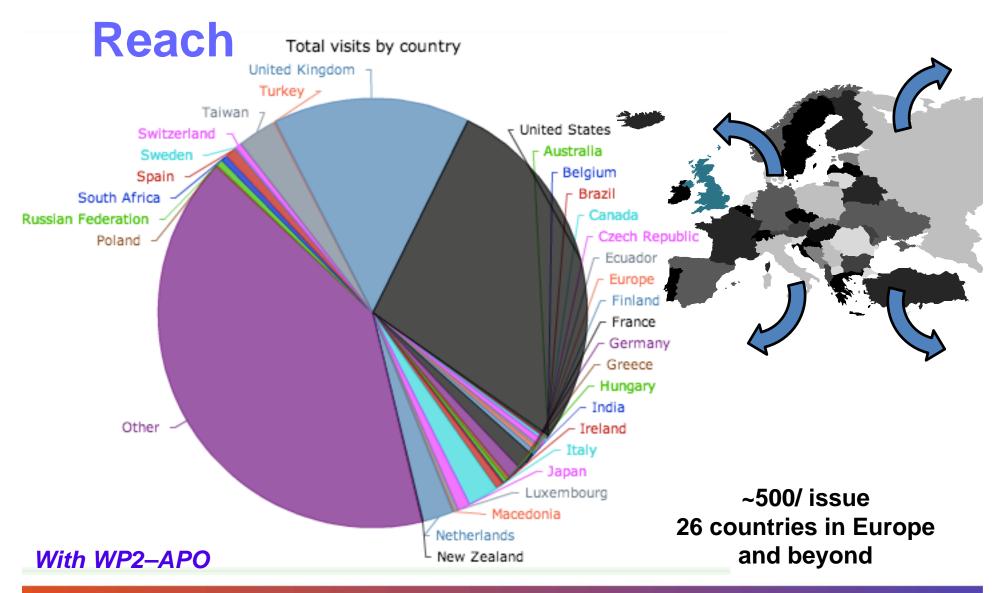
Reach

How large is the briefings audience?

- Email subscribers: 164
- Total number of downloads 17,300 times.
- AddThis shares (9 likes, 61 tweets, 16 Shares, 4 Google+)
- v.gd link shortening 1260 views of e-ScienceBriefings



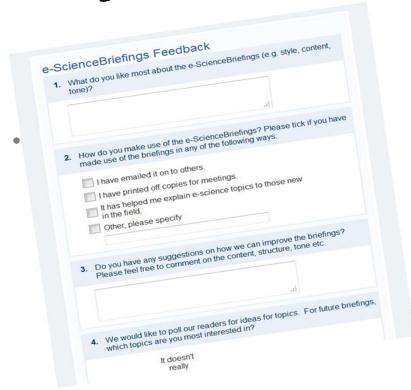






Significance

What do people use e-Science Briefings for?



Helps explain e-science topics to those new to the field

"I've been told that on a national level these briefings are used as material to show others as a 'Hey!—Look at this and what they are doing...' or '...what can be done.'"

"It is a beautiful publication. I love that it is printed. It is so important because it is a very graphical snapshot of what's important today for the hands of legislators and policymakers. I actually stole one to show the National Science Foundation."

"Briefings [are] very interesting and cover the subject areas well"



Sustainability

- e-ScienceBriefings are well-known in the research community
- Polls taken at meetings indicate that it is the publication that generates the most subscription interest

How might sustainability be achieved?

- In order to develop future issues of the e-ScienceBriefings, time and effort would have to be funded (3 weeks for content curation)
- Sponsor would need to have over-arching aims e.g. e-IRG





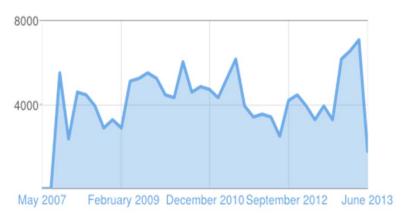
Impact and sustainability





Impact & sustainability

IMPACT=REACH x SIGNIFICANCE





"...read an article in iSGTW, and had a new idea for research"





Gathering Feedback

Feedback: Quality Assurance

- Surveys both web and of conference delegates to gauge e-ScienceTalk's perceived value
- Feedback sessions focus groups
- Acting on feedback from the PMB
- iSGTW reader survey
- Unsolicited feedback
- Impact and sustainability reports



Feedback Campaigns

| | YEAR ONE | YEAR TWO | YEAR THREE |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|
| e-ScienceBriefings | | | |
| How do briefings aid policy makers in European science, government and business? | Face-to-face at meetings | | Final year survey to policymakers (email) |
| To what extent respondents are aware of e-ScienceTalk's policy documents. How do readers use the briefings? | Canvassing at meetings | Canvassing at meetings/ mailing list survey | Final year survey to policymakers (email) /In-depth interviews |
| Do the briefings increase visibility for projects? How has it helped the projects? | | | Survey case studies |
| GridCast/@e_scitalk | | | |
| Is the blog/twitter helping to build a sense of community? In what ways is the blog helping the e-science community? | Unsolicited/Solicited feedback | Survey (June)/EGI Community Forum focus group | Focus groups/Survey (March) |
| RTM and GridGuide | | | |
| Is the GridGuide helping to foster cross pollination of expertise? | Unsolicited feedback | Solicited feedback | GridGuide survey/feedback |
| How is the RTM helping with outreach? | | RTM user analysis | RTM User Interviews/Surveys at meetings |
| e-ScienceCity/GridCafe | | | |
| Are our products deepening the understanding of grid and cloud technologies amongst researcher? | Feedback scientists/science communicators | | Survey |
| Do people find the website(s) useful? | | Volunteer Garage/GridCafe online surveys | Focus groups |
| PY3 | Review, 13 Sep 2013 | | 17 |



Feedback Campaigns

| | YEAR ONE | YEAR TWO | YEAR THREE |
|-----------------------------------------------------------------------------------------------------------------|----------|-----------------------------------|----------------------------------|
| ISGTW | | | |
| Journalists from mainstream media will have established relationships with those within e science through iSGTW | | iSGTW media 'pick' up analysis | Interviews with media sources |
| Centralises the communication effort and increase the visibility of e-science | | MoU Thanks you emails | MoU interviews |
| Does iSGTW provide assistance to the community in finding future partners /collaboration? | | iSGTW Survey | Interviews with authors (Top 10) |
| Does iSGTW help scientists informed on the latest technologies in e-science? | | iSGTW Survey | Interviews with readership |





Feedback Tools



Discrete banner after 30 seconds

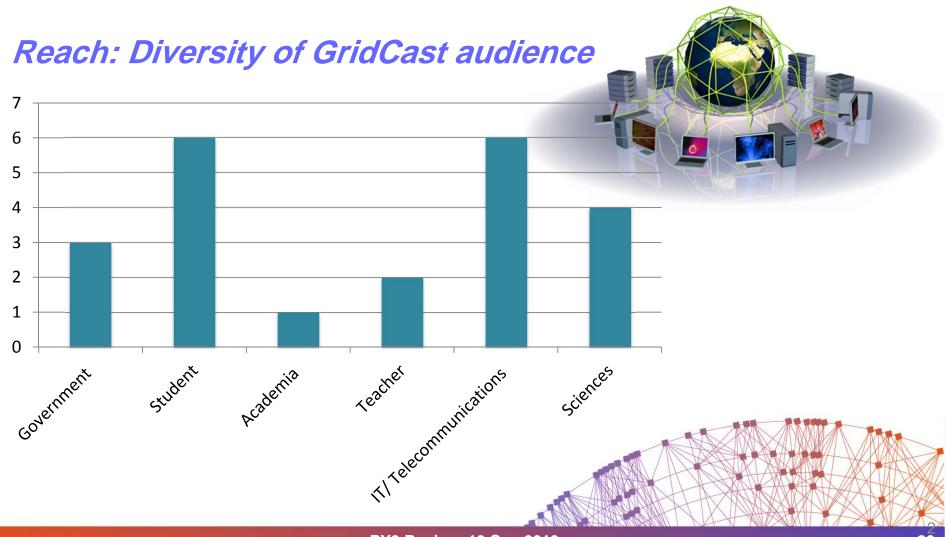








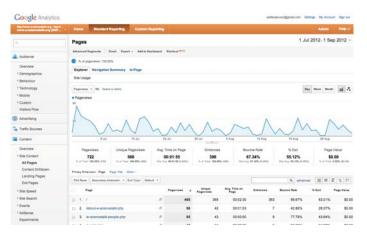
Feedback Tools





Feedback Tools

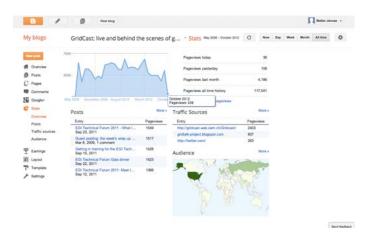




Google Analytics



Klout



Blogger Stats





E-ScienceTalk MoUs





















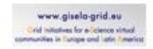




















Impact & sustainability

Sustainability



Pass impact back on to stakeholders:

- Star Bloggers, top articles
- Creates a self-perpetuating cycle of information sharing
- Makes the channel sustainable





Impact & sustainability

Paper at eChallenges e-ScienceTalk: Measuring the impact of online outreach for e-infrastructures

Catherine GATER¹, Zara QADIR²

¹EGI.eu, Science Park 140, Amsterdam, 1081 XG, Netherlands
Tel: +31 6 30372738, Email: Catherine.Gater@egi.eu

²Queen Mary University London, University of London Mile End Road London E1 4NS
Tel: +44 (0)207 882 3763, Fax: +44(0) +44(0)20 7882 7033, Email: zgadir@gmul.ac.uk

Abstract: Over the last decade, the European Commission and governments have invested substantial funds in distributed computing infrastructures. e-ScienceTalk disseminates the success stories and impact of these e-infrastructures. Stories come from the flagship pan-European projects but also from a host of smaller and emerging projects. For e-ScienceTalk's first year, outputs and outcomes were recorded through a range of methods, including tracking output metrics and by monitoring online traffic. This information collectively provided evidence of the project's wide global reach. Generally, most of e-ScienceTalk's target metrics for the first 12 months have been met or exceeded. For the future, metrics will be added to measure impact and track website usage in a more representative way. Evaluation

Training sessions

Monday 22nd October

| Time | Title/Topic |
|--------------|---------------------------------------------------------------------------------|
| 9:00 - 17:00 | Data Training Sessions (Big Data and Making the Most of EUDAT's technologies) |
| 9:00 - 16:30 | Communications training with e-ScienceTalk |
| 9:00 - 17:30 | European Coordination Workshop: Accessing and Preserving Scientific Information |



EUDAT 1st Conference

Place: Barcelona, Spain

Date: 22 October 2012 - 24 October 2012

The 1st EUDAT Conference will take place from 22-24 October 2012 in Barcelona, Spain.

This international event will bring together data infrastructure providers and practitioners from across the globe to discuss current data infrastructure challenges and solutions, with a focus on interoperability, cross-disciplinarity and cross-border collaboration.

Plenary and parallel sessions will be organized on 23 and 24 October around the following topics

- Cross-Disciplinarity and Open Science
- · Global Collaboration on Data Infrastructure



Policy event attendance

- EGI Technical Forum 2012, Prague
- eChallenges 2012 paper presented
- 10th eConcertation, Brussels
- International Symposium on Grid and Cloud 2013, Taipei
- EGI Community Forum 2013, Manchester
- Cloudscape V, Brussels
- E-IRG meeting, Dublin, & Amsterdam





Training events

- EUDAT 1st Conference, Barcelona
- Training at ILL, Grenoble

science

CRISP 2nd Meeting, PSI Villagen







E-Concertation event

10th e-Concertation, 6-7 March, Brussels

- 130 attendees, representing 80 projects
- Gridcast: 212 visits
- E-ScienceTalk: 51 visits
- Spotlight in iSGTW: 5 likes, 201 page views
- FP7 Success Stories competition
- 15 entries in 3 categories
- Success stories featured in iSGTW
 e.g. lead feature 11 September 2013





WP1 Issues

- Reaching target audience with Briefings
 - ✓ Attend events where high level policy makers are in attendance
- Transient nature of web tools: Klout score change, Twitter API changes
 - ✓ Collect feedback and export data regularly
- Staffing issues
 - ✓ Balancing effort needed in WP3



Summary

- WP1 has expanded distribution of the Briefings to regions outside of Europe, with pick-ups from twitter, v.gd also important
- Feedback gathering and impact assessment has been integral to all e-ScienceTalk products
- Social media and online tools used for data gathering
- Event attendance, media impact GridCast has large reach and viewed as significant to event success
- E-Concertation Meetings raised e-ScienceTalk and e-Infrastructures' profile with the media