



<p style="text-align: center;">Deliverable D2.4.2</p> <p style="text-align: center;">Second Annual Dissemination Report</p>

Project acronym: MAPPER

Project full title: Multiscale Applications on European e-Infrastructures.

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Executive Summary

The Second Annual Dissemination Report presents an overview of the dissemination activities of the MAPPER project for the second reporting period (October 2011 until September 2012). It describes how the work was done and which goals were achieved.

The key achievements of this reporting period are the following:

- Increased access to the MAPPER Home Page
- Establishment of the PRACE-EGI-MAPPER Task Force
- Participation at several events
- Important key performance figures (KPI) achieved

1. Introduction

MAPPER, grant number 261507, is an infrastructure project for the development and deployment of multiscale applications on European e-infrastructures. As there is no doubt that multiscale applications will be of interest to the broader scientific community, it is highly advisable to accompany MAPPER with corresponding dissemination and exploitation activities: Potential users need to be informed of the project's existence; students of technical sciences should be invited to support the project; and researchers of scientifically related domains should be educated regarding the benefits of the project.

Dissemination in MAPPER has the following objectives:

- Raise the awareness of the MAPPER project in the scientific community.
- Communicate the vision (abstract) and the project goals (concrete) of MAPPER across Europe and evangelize decision making bodies.
- Educate standardization bodies to discuss the requirements of multiscale applications more broadly, eventually leading to a standardization of architectures and their components. This effort should be visible worldwide with Europe recognized as leading the discussion.

This document represents the first update of the first annual dissemination report [5]. It covers the project's second year (October 2011 until September 2012). For the general objectives of the dissemination activities and the respective deliverables we refer to [3].

In this report we will review the second year's dissemination activities. These are in particular:

- Statistics regarding the the MAPPER Home Page (section 2.)
- Updates regarding the the MAPPER Communication Kit (MCK) (section 3.)
- Updates regarding the MAPPER dissemination channels including the first MAPPER Seasonal School (section 4.3.)
- Assessment of the MAPPER Key Performance Figures (section 5.)

2. The MAPPER Home Page

The MAPPER home page <http://www.mapper-project.eu> is based on wiki technology and consists of two areas with the following restrictions:

- A public area for disseminating the project's purpose. This part is completely public for viewing, offers background information on each of the partners involved, and gives information on events taking place and the standardization work being done. Content can be included by every project partner. This area also includes descriptions of how

to deploy and operate MAPPER services. It includes step-by-step cookbooks and it offers pre-built packages. This part of the webpage will be editable only by members of the project, but viewable for every interested user.

- A private area, which is only readable and writable by project partners. It serves as a communication medium and contains work in progress, such as draft deliverables, the technical annex, internal notes, and so on.

Figure 1 contains a screenshot of the MAPPER entry screen (<http://www.mapper-project.eu/web/guest/home>). For more detailed information we refer to deliverable D2.1 [1].

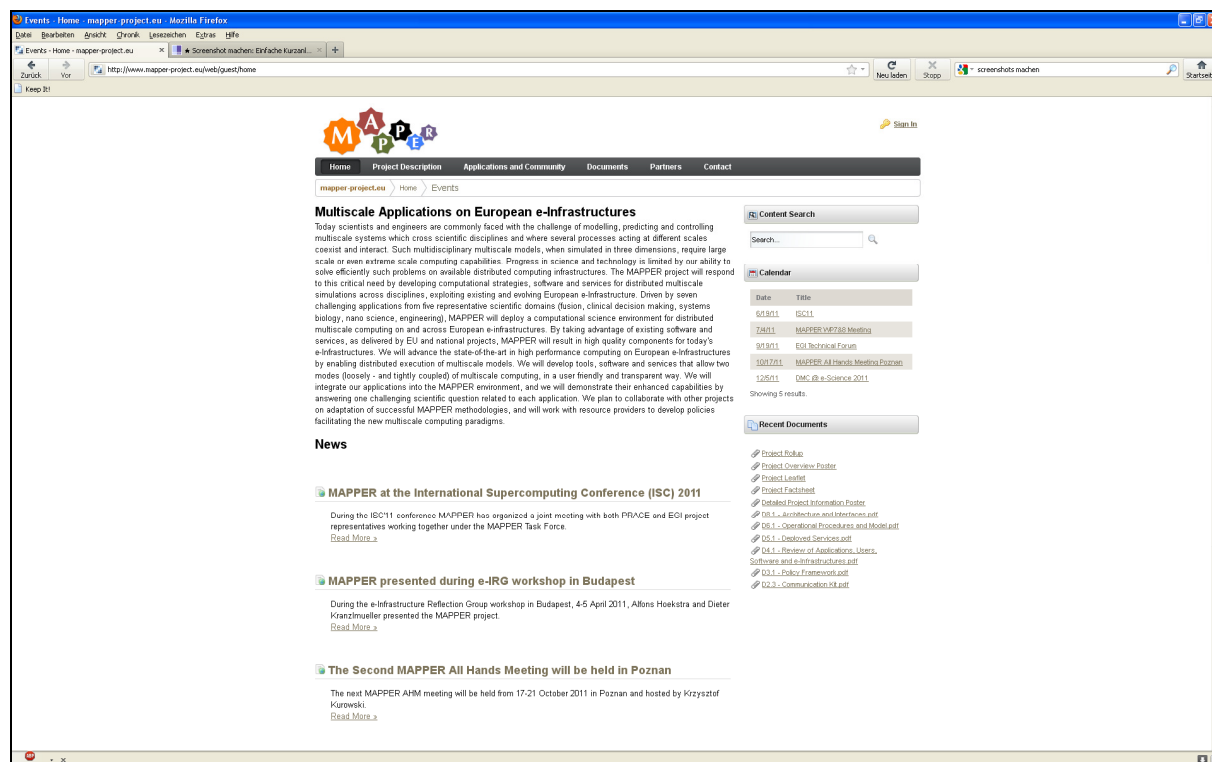


Figure 1: Screenshot of MAPPER home page

While the visitor statistics of the MAPPER website for the reporting period (starting September 2011) can be determined from Figure 2, the geographic distribution of the visits and the basic site usage are depicted in Figure 3¹ (same time period). Figure 4 depicts the cumulated visitor statistics while Figure 5 shows the cumulated geographic distribution.

¹ All statistics are based on Google Analytics.

Sep 17, 2011 - Aug 9, 2012

Visitors Overview

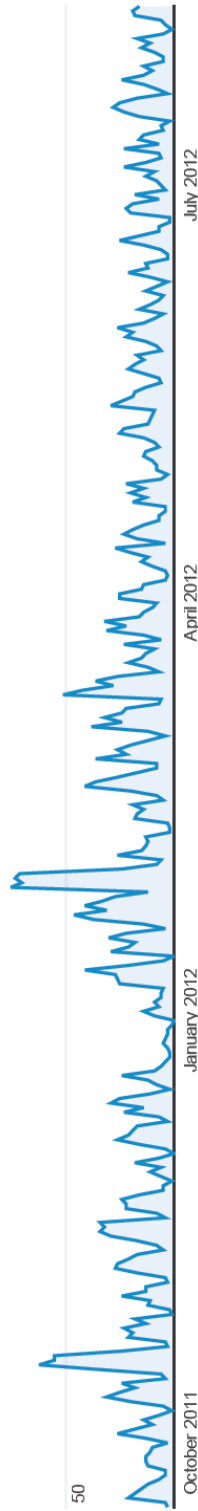
● % of visits: 100.00%

Overview

● Visits

100

50



2,186 people visited this site

Visits: 5,094

Unique Visitors: 2,186

Pageviews: 23,119

Pages / Visit: 4.54

Avg. Visit Duration: 00:04:14

Bounce Rate: 48.68%

% New Visits: 41.11%

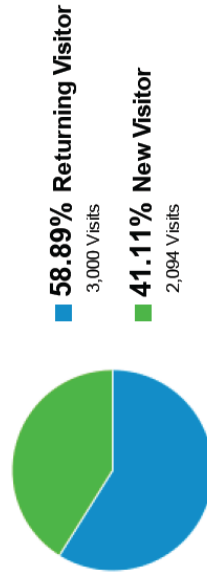


Figure 2: MAPPER web site visitor statistics during reporting period

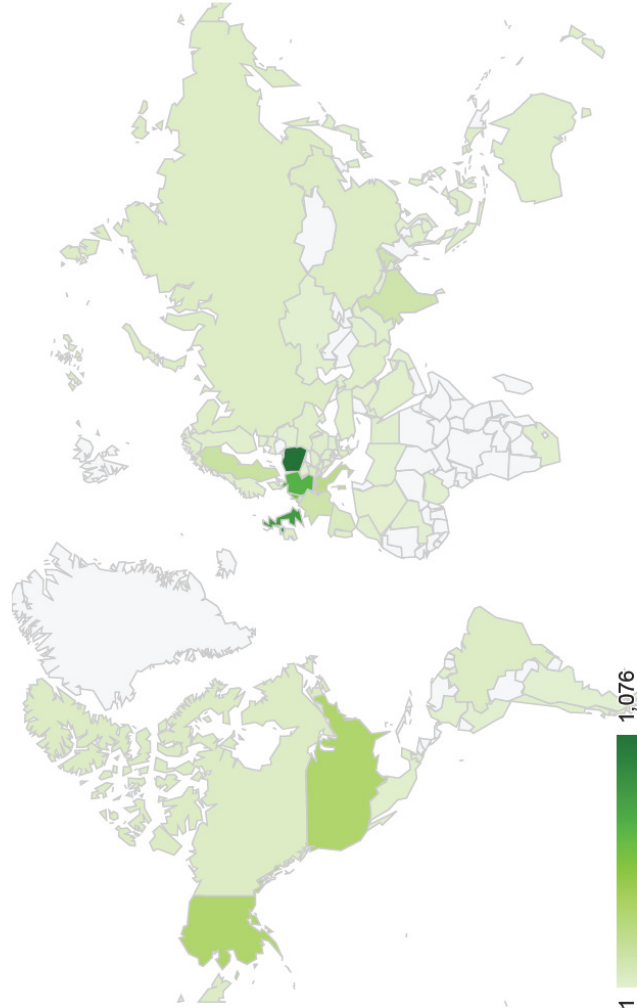
Sep 17, 2011 - Aug 9, 2012

Location

 % of visits: 100.00%

Map Overlay

Site Usage



Visits
5,094
% of Total: 100.00% (5,094)

Pages / Visit
4.54
Site Avg: 4.54 (0.00%)

Avg. Visit Duration
00:04:14
Site Avg: 00:04:14 (0.00%)

% New Visits
41.11%
Site Avg: 41.11% (0.00%)

Bounce Rate
48.68%
Site Avg: 48.68% (0.00%)

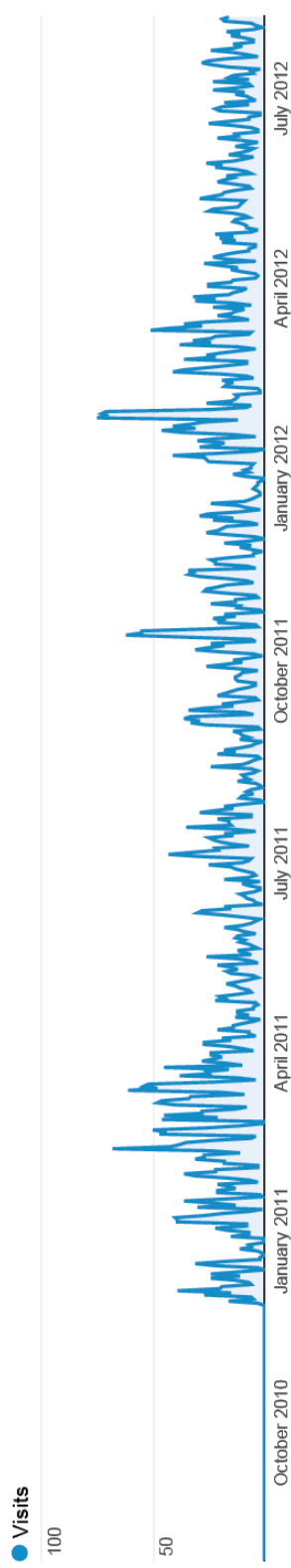
Figure 3: Geographic distribution of visits and site usage during reporting period

Aug 1, 2010 - Aug 9, 2012

Visitors Overview

● % of visits: 100.00%

Overview



3,481 people visited this site

Visits: 9,635

Unique Visitors: 3,481

Pageviews: 46,426

Pages / Visit: 4.82

Avg. Visit Duration: 00:04:39

Bounce Rate: 47.92%

% New Visits: 35.82%

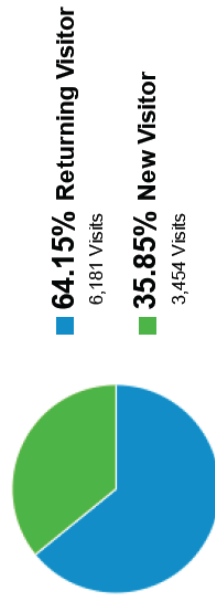


Figure 4: MAPPER web site visitor statistics cumulated

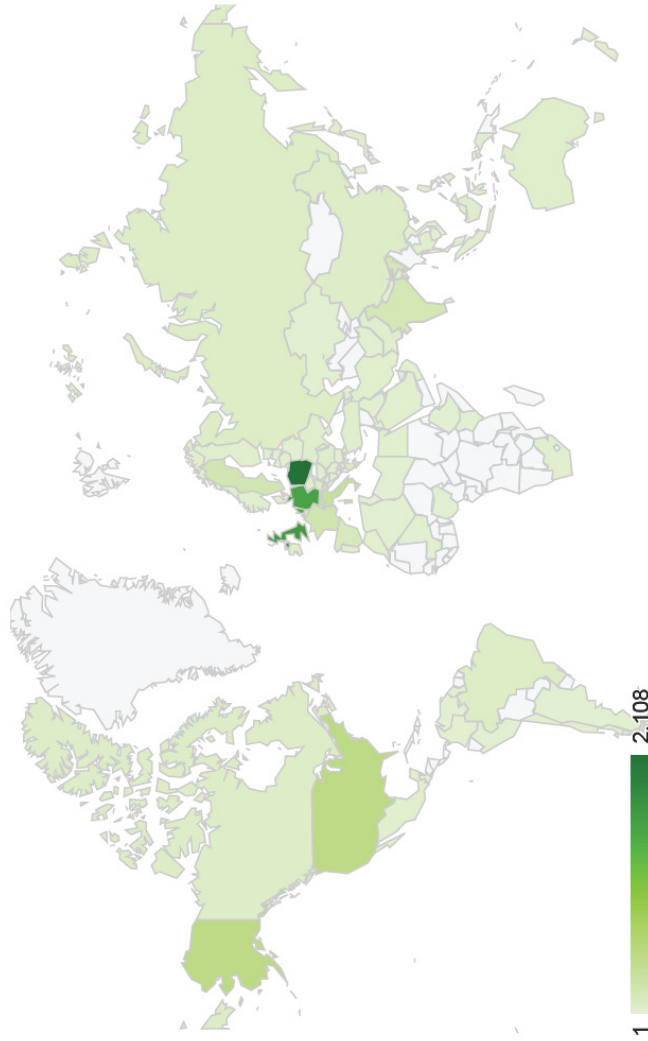
Aug 1, 2010 - Aug 9, 2012

Location

 % of visits: 100.00%

Map Overlay

Site Usage



Visits 9,635 % of Total: 100.00% (9,635)	Pages / Visit 4.82 Site Avg: 4.82 (0.00%)	Avg. Visit Duration 00:04:39 Site Avg: 00:04:39 (0.00%)	% New Visits 35.82% Site Avg: 35.82% (0.00%)	Bounce Rate 47.92% Site Avg: 47.92% (0.00%)
---	--	--	---	--

Figure 5: Geographic distribution of visits and site usage cumulated

The main statistical indicators are summarized in the following table:

	Period 1 1.8.2010- 16.9.2011	Period 2 17.9.2011- 9.8.2012	Total Period 1.8.2010- 9.8.2012	Growth from Period 1 to Period 2
Number of People	1377	2186	3481	58,75%
Visits	4541	5094	9635	12,18%
Pageviews	23307	23119	46426	-0,81%
Average Pageview	5,13	4,54	4,82	-11,50%
Bounce Rate	47,06%	48,68%	47,92%	3,44%
New Visits	29,88%	41,11%	35,82%	37,58%
Number Countries	69	92	100	33,33%

From this table and the previous figures we can derive the following achievements:

- The number of unique visitors increased by nearly 60% compared to the previous reporting period.
- The average pageview indicates that visitors are more experienced and increasingly find the right page faster.
- The second reporting period (this report) attracted more new visitors from 33% more countries. According to Figure 5, the top five countries are Poland, UK, Germany, Netherlands and USA.
- The bounce rate² slightly increases. This is another indicator that most visitors know by now exactly where to go, an implication of the well established structure of the MAPPER websites.

² The bounce rate is the percentage of visitors that see only one page during a visit to a site.

3. MAPPER Communication Kit

All items to be disseminated are subsumed under the label “MAPPER Communication Kit” (see also [3]). The communication kit consists of a folder, the project leaflet, dedicated project application brochures, project posters, project white papers, the scientific papers published by the project, visual and audio media galleries, press clippings, a project rollup, and a set of project related give-aways. All give-away items, the folders, the leaflets, and the brochures are on stock at LMU. They can be ordered by the partners.

The posters are available for download from <http://www.mapper-project.eu/documents/10155/22766/Project+Overview+Poster> (for the overview poster) and from <http://www.mapper-project.eu/documents/10155/22766/Detailed+Project+Information+Poster> (for the detail poster). The MAPPER rollup (http://www.mapper-project.eu/web/guest/documents/-/document_library_display/iVL7/view/22766) is available in three copies. One copy is kept at LMU, the other copies are “on the road”. The project leaflet is available from <http://www.mapper-project.eu/documents/10155/22766/Project+Leaflet?version=1.1>.

The MAPPER application brochures are under review and will be delivered within the next two months.

The MAPPER Communication Kit is being used extensively at MAPPER events (see below). More than 200 folders have been handed out at different occasions. Figure 6 gives an example of how the MAPPER Communication Kit is being used (MAPPER at the LMU booth at ISC 2012 in Hamburg, Germany).



Figure 6: MAPPER at the LMU ISC 2012 booth

4. MAPPER Dissemination Channels

The MAPPER dissemination channels are described in deliverable D2.2 [3]. The achievements per channel for this reporting period are reported in the following.

4.1. MAPPER Home Page

See section 2.

4.2. Journals, Conferences and Workshops

During the reporting period MAPPER was presented at the following occasions:

Category	Presentation
Talks	<ol style="list-style-type: none"> 1. B. Chopard, The lattice Boltzmann method and its applications to science and engineering. Plenary Session on Computational Science, Science Academy of Morocco, 16 February, 2012 2. P. V. Coveney, J. L. Suter, D. Groen, Distributed Multiscale Simulations of Clay-Polymer Nanocomposites. NAIS: State-of-the-Art Algorithms for Molecular Dynamics, Edinburgh UK, April 30 - May 4th, 2012. 3. P. V. Coveney, Computational Science & Engineering: What's Going On Locally, Nationally & Beyond. Computational Methods in Science and Engineering, Imperial College London, UK, May 11th 2012. 4. P. V. Coveney, Multiscale Modelling and Simulation: from Quantum to Continuum Representations of Matter. ICMS Workshop Scale Transitions in Chemistry and Biology, Edinburgh UK, June 4-8, 2012. 5. H.C. Greenwell, J.L. Suter, P.V. Coveney, Computational Design Of Clay-Swelling Inhibitors. 49th Annual Meeting of the Clay Minerals Society, Colorado School of Mines in Golden, Colorado USA, June 7-11, 2012. 6. B. Chopard, A Methodology for Multiscale-Multiscience modeling and simulations. ICES 2011. International Center for Earth Simulations, Geneva, 22 November, 2011 7. M. Bubak: Multiscale Applications on European e-Infrastructures, Chalmers e-Science initiative seminar, Göteborg, Sweden, 1-2.12.2011

Category	Presentation
	<p>8. M. Bubak, K. Rycerz and WP8 team: MAPPER Multiscale Programming and Execution Tools. WP8 after year 1, 24 November, 2011</p>
Papers (peer reviewed)	<p>9. S. Zasada, M. Mamonski, D. Groen, J. Borgdorff, I. Saverchenko, T. Piontek, K. Kurowski, P. Coveney, <i>Distributed Infrastructure for Multiscale Computing</i>, accepted by the 16th IEEE/ACM International Symposium on Distributed Simulation and Real Time Applications, October 25-27, 2012, in Dublin, Ireland.</p> <p>10. D. Groen, J. Borgdorff, S. Zasada, C. Bona-Casas, J. Hetherington, R. Nash, A. Hoekstra, P. Coveney, <i>A Distributed Infrastructure for Multiscale Biomedical Simulations</i>, accepted by the Virtual Physiological Human Conference 2012.</p> <p>11. J. Suter, D. Groen, L. Kabalan and P. Coveney: <i>Distributed Multiscale Simulations of Clay-Polymer Nanocomposites</i>, Materials Research Symposium, San Francisco, United States of America, April 2012.</p> <p>12. J. Borgdorff, J. Falcone, E. Lorenz, B. Chopard, and A. Hoekstra: <i>A principled approach to Distributed Multiscale Computing, from formalization to execution</i>, In Proceedings of The Seventh IEEE International Conference on e-Science Workshops, Stockholm, Sweden, 5-8 December 2011. IEEE Computer Society, Washington, DC, USA, 97 - 104, 2011. doi:10.1109/eScienceW.2011.9</p> <p>13. D. Groen, J. Suter, P. Coveney: <i>Modelling Distributed Multiscale Simulation Performance: An Application to Nanocomposites</i>, In Proceedings of The Seventh IEEE International Conference on e-Science Workshops, Stockholm, Sweden, 5-8 December 2011. IEEE Computer Society, Washington, DC, USA, 105 - 111, 2011. doi:10.1109/eScienceW.2011.37</p> <p>14. D. Groen, S. Zasada, P. Coveney: <i>Taxonomy of Multiscale Computing Communities</i>, In Proceedings of The Seventh IEEE International Conference on e-Science Workshops, Stockholm, Sweden, 5-8 December 2011. IEEE Computer Society, Washington, DC, USA, 120 - 127, 2011. doi:10.1109/eScience.2011.11</p>

Category	Presentation
	<p>15. K. Rycerz and M. Bubak: <i>Building and Running Collaborative Distributed Multiscale Applications</i>. In: W. Dubitzky, K. Kurowsky, B. Schott (Eds) <i>Large-Scale Computing Techniques for Complex System Simulations</i>, Chapter 6, pp. 111-130. J. Wiley and Sons, 2011 http://www.wiley-vch.de/publish/en/books/ISBN978-0-470-59244-1</p> <p>16. K. Rycerz, M. Nowak, P. Pierzchala, M. Bubak, E. Ciepiela and D. Harezlak: <i>Comparison of Cloud and Local HPC approach for MUSCLE-based Multiscale Simulations</i>. In <i>Proceedings of The Seventh IEEE International Conference on e-Science Workshops</i>, Stockholm, Sweden, 5-8 December 2011. IEEE Computer Society, Washington, DC, USA, 81-88, 2011. doi:10.1109/eScienceW.2011.21</p>
Posters	<p>17. M. Bernabeu, H. Carver, D. Groen, J. Hetherington, R. Nash and P. Coveney: <i>Towards multiscale simulation of blood flow and vascular mechanobiology with HemeLB</i>. 2020 Science External Advisory Board Meeting, 23rd March 2012, Oxford, United Kingdom.</p> <p>18. M. Bernabeu, H. Carver, D. Groen, J. Hetherington, R. Nash and P. Coveney: <i>Towards multiscale simulation of blood flow and vascular mechanobiology with HemeLB</i>. CLMS Symposium, 28th June 2012, London, United Kingdom.</p> <p>19. Katarzyna Rycerz, Eryk Ciepiela, Tomasz Gubała, Daniel Harężlak, Joanna Kocot, Grzegorz Dyk, Jan Meizner and Marian Bubak: <i>Programming and Execution of Multiscale Applications on Distributed Infrastructures</i>, poster presented during the Cracow Grid Workshop 2011, 7 - 9 November 2011, Kraków, Poland</p>
Extended abstracts	none
Magazines and newsletters	<p>20. J. Borgdorff, D. Groen, S. Ferlin, I. Saverchenko, J. Suter, A. Hoekstra, P. Coveney: <i>Multiscale Simulations on Distributed European e-Infrastructures</i>, <i>Innovatives Supercomputing in Deutschland (InSiDe)</i>, vol. 10, no. 1, pp. 72-77, 2012</p>

4.3. First MAPPER Seasonal School

The first MAPPER Seasonal School was scheduled from February 1st until February 2nd at UCL in London. Figure 8 and Figure 9 depict the invitation's front page and back page respectively. The school attracted 25 participants with 36% from outside the project. Deliverable D2.5.1 [4] reports on the school in more detail.

4.3.1. Agenda

The agenda of the MAPPER First Seasonal School is given in Figure 9. The school had as external speakers:

- Daniel S. Katz, Senior Fellow in the Computation Institute (CI) at the University of Chicago and Argonne National Laboratory, and Open Grid Forum Area Co-director for Applications. He was the TeraGrid GIG Director of Science from 2009-2011. He presented current efforts in the project Extending Science Through Enhanced National CyberInfrastructure (EXTENCI).
- G.Z.Terstyanszky, Reader in Computer Science and Software Engineering at the University of Westminster. He presented current efforts in the project SHIWA (Sharing Interoperable Workflows for Large-Scale Scientific Simulations on Available DCIs) .
- Ivan Kondov, Teamleader SimLab NanoMikro in Performance assessment of different constraining potentials in computational Multiscale materials and biomolecular simulations at Simulation Lab NanoMikro, Karlsruhe Institute of Technology (KIT). He presented current efforts in the MMM@HPC project.
- Mihai Duta, Scientific Software Advisor for the Oxford Supercomputing Centre, the University's central high performance computing services. He presented current efforts in the project ScalaLife (Scalable Software Services for Life Science) .

4.3.2. Evaluation

As part of the success assessment, evaluation sheets were handed out during the MAPPER First Seasonal School. For evaluation purposes the participants were asked to fill in the following template:

	Poor	Fair	Average	Good	Very Good	Excellent
Overall Impression of the organization						
Advance information that you received about the event						

Material provided						
Venue						
Programme and presentations						
Programme content						
How was the content in addressing your interests and needs? (Programme and presentations)						
Quality of speakers' presentations?						
Opportunities to participate in discussions (Programme and presentations)						
Tutorial and hands-on sessions						
Selection of the sessions' content						
How was the content in addressing your interests and needs? (Tutorial and hands-on)						
Quality of the tutorial and hands-on sessions						
Opportunities to participate in discussions (Tutorial and hands-on)						
Overall impression of the event						
Overall Impression of the event						
Opportunities to develop new ideas						
General comments						

Nine participants returned the form with the results in Figure 7 and the subsequent table.

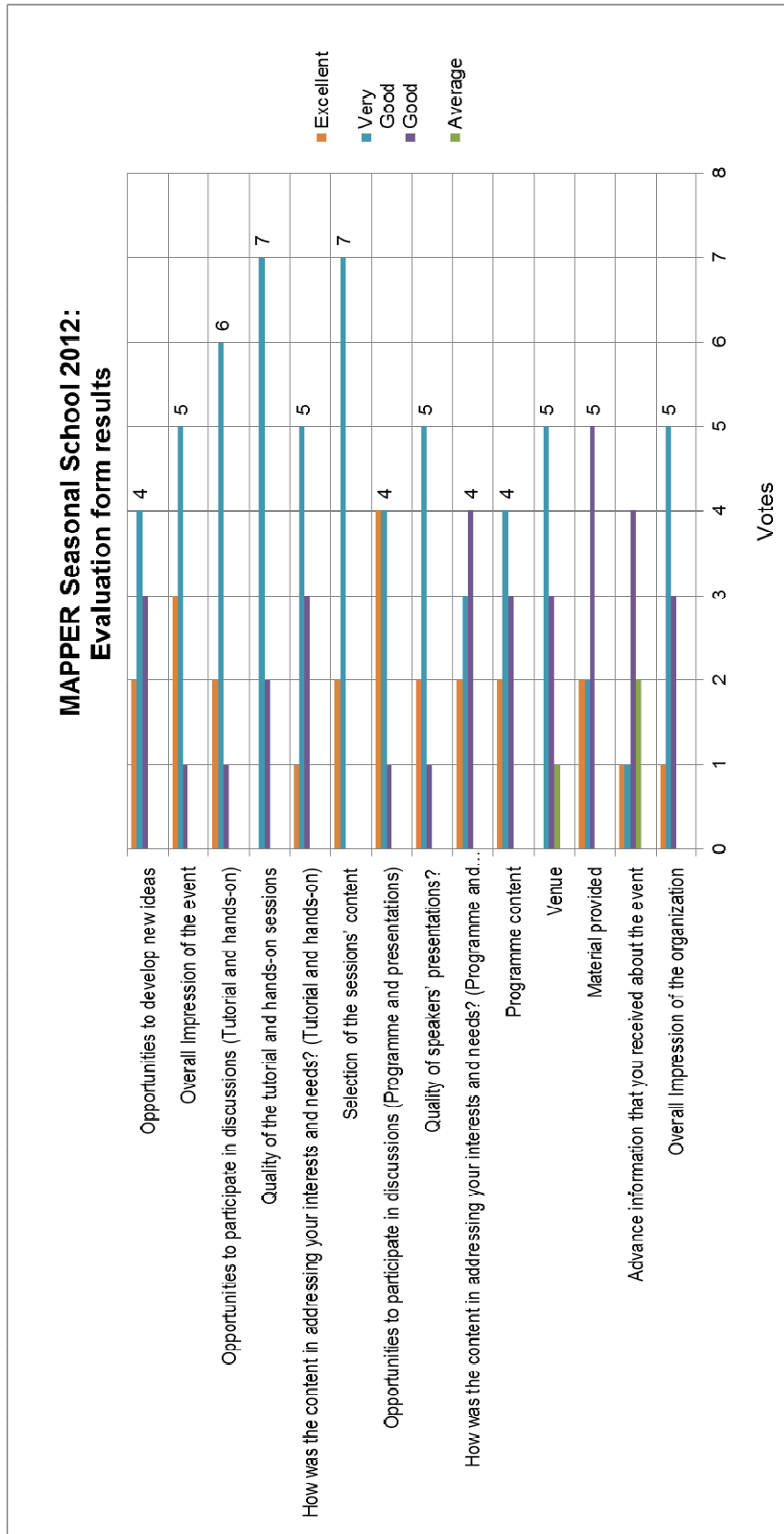
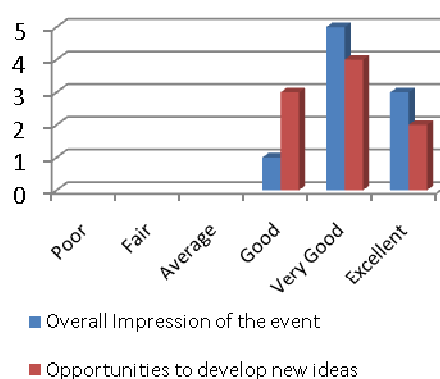
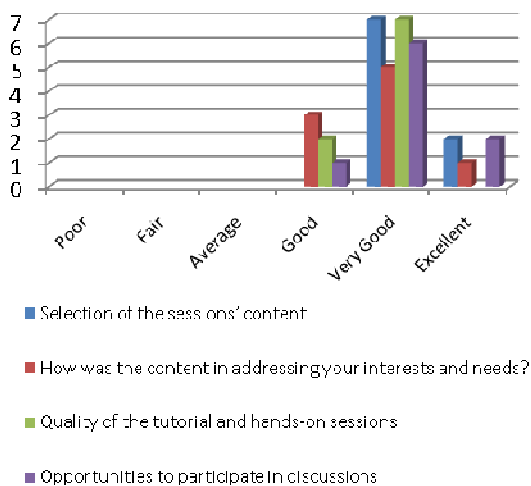
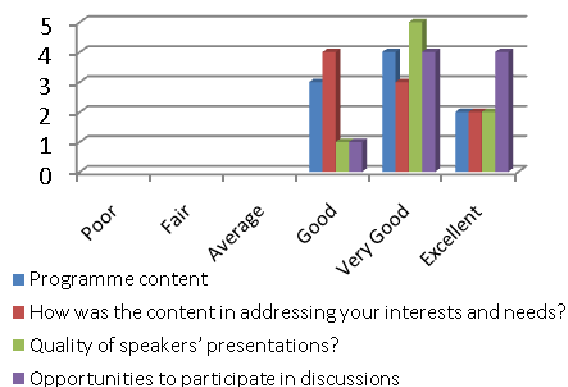
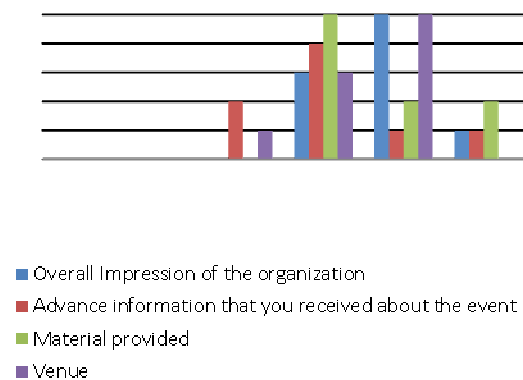


Figure 7: First Seasonal School overall evaluation



As can be derived from Figure 7, the overall evaluation of the event was between “very good” and “excellent”:

4.3.3. Pictures

Here are some pictures taken during the school.






1st Seasonal School on Multiscale Modelling and Simulations

Seasonal School

The MAPPER project will organize its first seasonal school on multiscale computing this winter. The school will provide presentations on basic concepts of multiscale computing. This theoretical background will be the foundation of the practical sessions during which attendees will learn how to use multiscale modelling and coupling tools to create and submit simulations to European e-infrastructures.



**Multiscale *AP*PLICATIONS on
European e-infRASTRUCTURES**

**1-2 February 2012
London
www.mapper-project.eu**




Figure 8: Invitation Front Page

Multiscale *AP*PLICATIONS on European e-*inf*RASTRUCTURES



Agenda (subject to change)

Wednesday	Thursday
<p>09:00 Welcome</p> <p>09:15 Session 1 - Introduction to Multi-scale Computing</p> <p style="padding-left: 20px;">Keynote - The World is Multi-scale</p> <p style="padding-left: 20px;">The MAPPER Project</p> <p style="padding-left: 20px;">Taxonomy of Multiscale Computing Communities</p> <p>10:15 Coffee Break</p> <p>10:45 Session 2 - Multi-scale Modeling Concepts</p> <p style="padding-left: 20px;">Overview</p> <p style="padding-left: 20px;">Scale Separation Maps</p> <p style="padding-left: 20px;">Tightly and Loosely Coupled Multi-Scale Models</p> <p style="padding-left: 20px;">Multi-scale Modeling Languages</p> <p>11:30 Lunch</p> <p>12:30 Session 3 - User Tools for Multi-scale Modeling and Simulations</p> <p style="padding-left: 20px;">Application Hosting Environment (AHE)</p> <p style="padding-left: 20px;">Coffee Break</p> <p style="padding-left: 20px;">Multiscale Coupling Library and Environment (MUSCLE)</p> <p style="padding-left: 20px;">Coffee Break</p> <p style="padding-left: 20px;">Gridspace, Multiscale Application Desinger (MAD) and Mapper Memory (MaMe)</p> <p>16:30 End of Day One</p> <p>19:00 Social Event</p>	<p>09:00 Session 4 - Middleware and e-Infrastructures</p> <p style="padding-left: 20px;">European e-Infrastructures</p> <p style="padding-left: 20px;">QosCosGrid (QCG)</p> <p>10:15 Coffee Break</p> <p>10:30 Session 5 - MAPPER Applications</p> <p style="padding-left: 20px;">ISR, an application of MUSCLE</p> <p style="padding-left: 20px;">Other MAPPER applications</p> <p>11:30 Lunch</p> <p>12:30 Session 6 - Constructing and running a DMC Simulation</p> <p style="padding-left: 20px;">Coupling of 2 codes</p> <p style="padding-left: 20px;">Resource reservation</p> <p style="padding-left: 20px;">Submission</p> <p>14:00 Coffee Break</p> <p>14:15 Session 7 - Survey, Outlook and Discussions</p> <p style="padding-left: 20px;">Other tool approaches for multi-scale computing</p> <p style="padding-left: 20px;">How projects can benefit from MAPPER</p> <p style="padding-left: 20px;">Future developments</p> <p>16:00 End of School</p>

Please visit the MAPPER homepage for registration and additional information
<http://www.mapper-project.eu>

Figure 9: Invitation Back Page

4.4. Exhibitions and Events

During the reporting period MAPPER participated in the LMU's Munich Network Management (MNM) Team's booth at

- IEEE e-Science Conference 2011, Stockholm, Sweden, December 5-8
- the Supercomputing 2011 in Seattle, USA, November 12-18
- the International Supercomputing 2012 in Hamburg, Germany, June 17-21
- the EGI Community Forum 2012, Garching, Germany, March 26-30

4.5. Press and Media

Not applicable in the reporting period

4.6. Cross Project Dissemination

During the reporting period MAPPER shared ideas with other national and international projects as per the following table:

Project	URL
DRIHM	http://www.drihm.eu/
D-Grid	http://www.d-grid.de/
IGE	http://www.ige-project.eu/
Scalalife	http://www.scalalife.eu/
PL-Grid	http://www.plgrid.pl
EGI	http://www.egi.eu/
PRACE	http://www.prace-ri.eu/
VPH (in general), VPH-NoE, VPH-SHARE	http://www.vph-noe.eu/
ContraCancrum	http://www.contracancrum.eu/
InBiomedVision	http://www.inbiomedvision.eu/
EUDAT	http://www.csc.fi/english/pages/parade/whitepaper
CRESTA	http://cordis.europa.eu/fetch?CALLER=PROJ_ICT&ACTION=D&DOC=1&CAT=PROJ&QUERY=0132af13aed6:09a9:258f5abd&RCN=100077

4.7. Local Dissemination

No activity to report

4.8. Concertation Activities

The European Commission regularly initiates concertation activities as platforms to bring together otherwise isolated projects. MAPPER is a strong supporter of these concertation activities and plans to participate in all of them as soon as the exact dates are announced.

The following table lists all planned dissemination and outreach activities for the whole project duration, as they are currently planned starting at the beginning of the new reporting period (October 2012 until September 2013).

If the “Key” column is encoded we use the following codes:

- “D” denotes a formal MAPPER deliverable
- “O” denotes events MAPPER has organised / will organise (totally or partially)
- “S” denotes standardization events relevant for MAPPER
- “B” denotes events MAPPER is / will be represented with a booth

Please note that this table is subject to (frequent) changes and that several partners may be involved per activity.

Key	Month	Activity
	10/2012	Cracow Grid Workshop
B	11/2012	International Conference for high Performance Computing, Networking, Storage and Analysis (SC12)
O	12/2012	IEEE e-Science Conference
D	12/2012	Deliverable D2.3.3 (Project Communication Kit Update)
	02/2013	Euromicro International Conference on Parallel, Distributed and Network-Based Processing (PDP)
D	03/2013	Deliverable D2.5.2 (Second seasonal school)
S	03/2013	OGF36
	04/2013	European Geosciences Union General Assembly
B	04/2013	EGI Community Forum
B	06/2013	International Supercomputer Conference (ISC)
	07/2013	EGI Technical Forum
D	09/2013	Deliverable D2.4.3 (Third annual dissemination report)
S	09/2013	OGF37

5. Key Performance Indicators (KPI)

5.1. Definition of MAPPER KPIs

The MAPPER KPIs and their measurements are defined in the Dissemination Plan (deliverable D2.2 [3]) which also contains the respective annual performance targets.

5.2. Achievements

The following table summarizes the current MAPPER performance as it relates to the targets defined in [3]. The values in parentheses denote the respective forecasted values.

KPI	Month 12 Results	Month 24 Results	Month 36 Results	Cumulative yes/no
KPI_Q1 (The number of requests for dissemination material either expressed via email, or via the MAPPER home page, or via direct communication at MAPPER booth representation at conferences or exhibitions)	37 (25)	197 (50)	? (100)	Yes
KPI_Q2 (The number of events organized by MAPPER for external audiences)	0 (0)	2 (2)	? (5)	Yes
KPI_Q3 (The number of registered participants at these events)	0 (0)	37 (40)	? (100)	Yes
KPI_Q4 (The average score calculated from evaluation forms returned at MAPPER events)	Not applicable	Very positive (positiv)	? (Very positive)	No
KPI_Q5 (The number of publications and presentations given by MAPPER project partners)	17 (2)	20 (8)	? (25)	Yes
KPI_Q6 (The number of standardization bodies MAPPER representatives contribute to)	1 (1)	3+ (2)	? (3)	Yes
KPI_Q7 (The number of	12 (10)	67 (50)	? (200)	Yes

KPI	Month 12 Results	Month 24 Results	Month 36 Results	Cumulative yes/no
dissemination material downloads from the MAPPER web pages)				
KPI_Q8 (The number of software downloads from the MAPPER web pages)	0 (0)	0 (5)	? (25)	Yes
KPI_Q9 (The number of MAPPER press references expressed by specimen copies)	0 (0)	0 (2)	? (9)	Yes
KPI_Q10 (The number of external users of MAPPER technologies)	0 (0)	2 (2)	? (5)	Yes
KPI_Q11 (The number of presentations of MAPPER given at policy and lobbying events and concertations meetings)	2 (2)	6 (5)	? (10)	Yes
KPI_S1 (The number of applications that adopt MAPPER services)	0 (0)	4 (3)	? (7)	Yes
KPI_S2 (The number of projects (national and international) that MAPPER cooperates with (in that these projects refer to MAPPER))	0 (0)	3 (1)	? (12)	Yes
KPI_S3 (The number of communities MAPPER collaborates with)	5 (5)	6 (6)	? (7)	Yes
KPI_S4 (The number of student theses and PhD theses referring to MAPPER)	0 (0)	0 (2)	? (10)	Yes
KPI_F1 (The cumulative dissemination expenses, expressed in percentage exhausted)	16% (60%)	54% (80%)	?% (100%)	yes

5.3. Discussion of Achievements

Most of the KPIs have been over-achieved. Some remarks are necessary though:

- KPI_Q6: the standardization bodies are OGF (<http://www.gridforum.org/>), OpenMI (<http://www.openmi.org/>) and the EU funded Siena project (<http://www.sienainitiative.eu/Default.aspx>) as a bridge to the most relevant international standardization bodies.
- KPI_Q7: measured via Google Analytics
- KPI_Q8: no downloads yet because of unavailability to the outside world
- KPI_Q9: no press releases yet because of missing success stories
- KPI_Q10: at least five users of the DRIHM Virtual Community (<http://www.drihm.eu/>)
- KPI_S1: applications of the DRIHM Virtual Community (<http://www.drihm.eu/>)
- KPI_S2: DRIHM (<http://www.drihm.eu/>), DRIHM2US (being set up), IGE (<http://www.ige-project.eu/>), ScalaLife (<http://www.scalalife.eu/>)
- KPI_S3: the MAPPER communities plus the Hydro-Meteorologic Research community
- KPI_S4: no theses finished yet

6. Summary

In this document we summarized the dissemination activities performed during the respective reporting period (October 2011 until September 2012) while the general timeline for all dissemination activities is outlined in the dissemination roadmap [3].

The major dissemination achievements for the second reporting period (year 2 of the project) are the following:

- The MAPPER home page is increasingly attracting.
- The MAPPER Communication Toolkit is successfully distributed.
- MAPPER disseminated its vision, objectives and messages at several occasions, including the International Supercomputing Conference 2012 in Hamburg and the Supercomputing in Seattle.
- The First Seasonal School was successfully executed.
- The Key Performance Indicators are mainly over-achieved.

7. References

- [1] MAPPER Deliverable D2.1: MAPPER Home Page and mailing lists;
<http://www.mapper-project.eu/documents/10155/23424/D2.1+-+HomePage.pdf>;
2011
- [2] MAPPER Deliverable D3.2: Standardization Roadmap and First Sustainability Plan; To be published; 2011
- [3] MAPPER Deliverable D2.2: Final Plan for the Use and Dissemination of Foreground; <http://www.mapper-project.eu/documents/10155/23424/D2.2+-+Dissemination+Plan.pdf>; 2011, updated 2012
- [4] MAPPER Deliverable D2.5.1: MAPPER Seasonal Schools; 2012
- [5] MAPPER Deliverable D2.4.1: First Annual Dissemination Report; 2011

8. Abbreviations

AGH	Akademia Górniczo-Hutnicza Cracow
AHM	All Hands Meeting
API	Application Programming Interface
CUT	Chalmers University of Technology
EGI	European Grid Infrastructure
HPC	High Performance Computing
IPP	Max-Planck-Institut für Plasmaphysik
ISC	International Supercomputer Conference
KPI	Key Performance Figure
LMU	Ludwig-Maximilians Universität
MAPPER	Multiscale Applications on European e-Infrastructures
MCK	MAPPER Communication Kit
MNM	Munich Network Management
OGF	Open Grid Forum
PSNC	Poznan Supercomputing and Networking Center
UCL	University College London
UNIGE	Université de Genève
UU	University of Ulster
UvA	Universiteit van Amsterdam
WP	Work Package

9. Appendix

9.1. Agenda 2nd AHM Poznan

18.10 Tuesday (technical meetings)

9.00 Welcome and logistics, meeting goals

9.30 Update on Applications

10.15 Update on Service Activities

11.00 Coffee break

11.30 Services - technical view

12.00 Presentations of tools

12.30 Lunch

14.00 First review demonstration scenarios - discussion

15.00 Technical meetings in parallel

Loosely and tightly coupled application scenarios together with tools and services

Tools with other application scenarios

Application tests on production sites

17.30 Wrap-up

19.10 Wednesday (technical meetings)

9.00 Meetings in parallel

Testing the first demo - loosely coupled - UCL

Testing the second demo - tightly coupled - UvA

Tools with other applications - Cyfronet

11.00 Coffee break

11.30 Meetings in parallel

Testing the first demo - loosely coupled - UCL

Testing the second demo - tightly coupled - UvA

Tools with other applications - Cyfronet

13.00 Lunch

14.00 Status of 3 demonstrations and required actions

15.00 Follow up actions

17.30 Wrap-up

20.10 Thursday (mgmt and technical meetings)

9.00 - 9.30 Welcome, update, goals

09.30 - 10.30 First review demonstration

10.30 - 11.00 Update on MAPPER-EGI-PRACE Task Force

11.00 - 12.00 Status update applications not in demonstration
12.00 - 13.00 Discussions and plans for deep track components
13.00 Lunch
14.00 - 16.30 Project Steering Group Meeting
Managerial
Finance
Reporting (deliverables)
Access to eInfrastructures
Outreach and lobbying
Seasonal Schools
Planning of next meetings
Internal collaboration - how to improve it?
14.00 - 16.30 Technical meetings
17.00 Summary of PSG and Technical meetings
19.00 Short Tour - Old Market in Poznan
19.30 Dinner
21.10 Friday (mgmt and technical meetings)
9.00 - 9.30 Dissemination
9.30 - 10.00 Sustainability plan
10.00 - 11.30 Discussions and plans for deep track - (cont) - All
11.30 - 12.30 Summary and ACTIONS before the review - All
12.30 - 13.00 Summary
13.00 End of the AHM

9.2. Agenda 3rd AHM London

Monday

09:00 Room open

09:30-10:00 Opening, presentation of the agenda and expected outcomes

10:00-12:30 Status and plans for M18-M24 for WP4-WP8

12:30-13:45 Lunch

13:45-14:30 Updates and discussion on the formal multiscale modelling framework.

14:30-15:30 Guest lecture: Rafael Delgado-Buscalioni (Univ. Aton. Madrid) on coupling hybrid multiscale methods.

15:30-15:45 Coffee Break

15:45-16:45 Guest Lecture: Shantenu Jha (Rutgers) on SAGA/BigJob and efficient use of distributed resources

16:45-17:45 Guest Lecture: Dan Katz (Univ. Chicago) on SWIFT and assisted scripting for multiscale computing

~19:30 Dinner

Tuesday

08:30 Room open

09:00-10:30 Status and plans for M18-M24 for WP2 and WP3

10:30-10:45 Coffee break

10:45-12:15 Parallel Sessions:

1. PSG Meeting

2. Application support / Technical working session

12:15-13:30 Lunch

13:30-14:00 External Users and Communities: How can they benefit from MAPPER in the near future

14:00-14:30 Wrapping up

14:30-17:30 Technical session