

IWSG 2022 Workshop
14th International Workshop on Science Gateways
15th-17th June 2022, Trento, Italy

DAY 1 - June 15, 2022		
13:00-14:30	Registration	
14:30-17:30	Session 1 – Science Gateways and Research Cloud Infrastructures	Chair: Sandra Gesing
14.30-15.00	Welcome messages	
15:00-16:00	Keynote 1 - Lessons learnt from building a research cloud infrastructure in Hungary	Prof. Dr. Peter Kacsuk
16:00-16:30	<i>Coffee break</i>	
16:30-17:00	Virtual Research Environments Ethnography: a Preliminary Study	Morteza Arezoumandan, Leonardo Candela, Donatella Castelli, Ali Ghannadrad, Dario Mangione and Pasquale Pagano
17:00-17:15	Everyday orchestration with Docker on Kubernetes	James Deslauriers, Resmi Arjun, Jozsef Kovacs and Tamas Kiss
17:15-17:30	Sharing Data Collections and Models for Ionosphere, Thermosphere and Plasmasphere Research	Tamas Kiss, Gabriele Pierantoni, Dimitris Kagialis, Alexander Bolotov, David Chan You Fee, Ivan Galkin and Anna Belehaki.
18:00-19:00	Evening reception	

DAY 2 - June 16, 2022

8:30 - 9:00	Registration	
9:00-12:00	Session 2 – Science gateways application to various scientific disciplines and domains	Chair: Sandro Fiore
9:00-10:00	Keynote 2 - A journey towards end-to-end services for instrument based e-Science	Prof. David Abramson
10:00-10:30	Developing the German Human Genome-Phenome Archive	Kersten Breuer, Jordy D. Orellana Figueroa, Moritz Hahn, Koray Kırılı, Jens Krüger, Léon Kuchenbecker, Manikandan Ravichandran and Zehra Hazal Sezer
10:30-11:00	<i>Coffee break</i>	
11:00-11:30	Science Gateways in EOSC: The NEANIAS Visualisation Gateway	Mel Krokos, Benjamin Kyd, Eva Sciacca and Mario Raciti
11:30-11:45	The Health Data Research Innovation Gateway: A platform to discover, request access to health data and demonstrate trustworthiness in research across the United Kingdom and beyond	Susheel Varma, Paola Quattroni, Chris Milner, Neil Postlethwaite, Ruth Milne and Elaine Brannigan
11:45-12:00	GeoEDF: A Framework for Designing and Executing Reproducible Geospatial Research Workflows in Science Gateways	Rajesh Kalyanam, Jungha Woo, Lan Zhao, Carol X. Song and Jack Smith
12:00-15.00	Lunch break	

15:00-18:00	Session 3 – Science Gateways for Geoscience and Climate Change research	Chair: Tamas Kiss
15:00-16:00	Keynote 3 - Large scale data challenges in the Climate domain	Sandro Fiore

16:00-16:30	An EOSC-enabled Data Space Environment for Climate Science	Donatello Elia, Sandro Fiore, Fabrizio Antonio, Guillaume Levasseur, Paola Nassisi, Alessandro D'Anca, Sylvie Joussaume and Giovanni Aloisio
16:30-17:00	<i>Coffee break</i>	
17:00-17:15	A Community Gateway for Data Usage & Data Archive Metrics in the Climate Domain	Alessandra Nuzzo, Fabrizio Antonio, Maria Mirto, Paola Nassisi, Sandro Fiore and Giovanni Aloisio
17:15-17:30	Interactive and Flexible Environment for on-demand Climate Data Analysis	Christian Page, Abel Aoun, Alessandro Spinuso, Mats Veldhuizen, Ian van der Neut, Klaus Zimmermann, Lars Barring and Phillip Kershaw
17:30-17:45	The use of the Unidata Science Gateway as a cyberinfrastructure resource to facilitate education and research during COVID-19	Mohan Ramamurthy and Julien Chastang
19:00-22:00	Social Dinner - Forsterbräu Trento (Via Paolo Oss-Mazzurana, 38)	

DAY 3 - June 17, 2022		
8:30-9:00	Registration	
9:00-12:30	Session 4 – Community Building and e-Infrastructure Challenges	Chair:
9:00-10:00	Keynote 4 - The reasons why the Science Gateways Community needs an institute	Sandra Gesing
10:30-10:30	Distributed but Integrated: Forming a Science Gateway from Multiple Parts	Olaf Brandt, Holger Gauza, Jan Kaltenbach, Steve Kaminski, Jens Krüger, Fabian Paz, Saker Halima, Fabian Wannenmacher, Johannes Werner and Thomas Zajac

10:30-11:00	<i>Coffee break</i>	
11:00-11:30	A dynamic and extensible web portal enabling the deployment of scientific virtual computational environments on hybrid e-infrastructures	Marica Antonacci, Daniele Spiga, Davide Salomoni, Diego Ciangottini, Vincenzo Ciaschini, Alessandro Costantini, Giacinto Donvito, Doina Cristina Duma, Federica Fanzago, Emidio Giorgio, Alessandro Italiano, Massimo Sgaravatto, Vincenzo Spinoso, Stefano Stalio, Mirco Tracoli and Marco Verlato
11:30-12:00	Design of a Decentralised Autonomous Scientific Publishing Organisation	Sandi Gec, Petar Kochovski, Jovan Buragev and Vlado Stankovski
12:00-12:15	An Industry Gateway for Rapid Reconfiguration of Manufacturing Processes	Tamas Kiss, Gabor Terstyanszky and Resmi Arjun
12:15-12:45	Panel on “FAIR principles and Science Gateways”	
12:45-13:00	Closing remarks	