



EUDAT "Real use of Array Databases for Research Communities" WG Workshop, 17 May 2017, Amsterdam

Where:

Amsterdam, Netherlands

When:

Wednesday, 17 May, 2017

EUDAT hosted the second **ArrayDB WG workshop** on 17 May 2017 in Amsterdam, Netherlands.

The workshop aimed at promoting a broad and fair discussion about real use of **Array Databases** for research communities. Multidimensional arrays are common data structures widely used in many scientific disciplines. Scientists increasingly require to manage and process large volumes of such multidimensional datasets.

The workshop had the following aims:

- Trying to understand the view of the scientific communities regarding ArrayDB - can they be a solution for multidimensional big data?
- Discussing benefits and limitations of these technologies and assess how they can support science and help addressing today's challenges.
- Targeting technology experts, representatives of research communities and practitioners.

Who was it for?

Experts were invited to present their views and update the communities about the latest developments in the area of array databases. Communities dealing with multidimensional datasets were invited to expose their requirements, use cases and related challenges. Practitioners were invited to share their experience and lessons learned adopting ArrayDB in their community. [Click here](#) to download the workshop materials from the **EUDAT B2DROP platform**.

Time	Session	Speaker
09:30-09:40	Welcome and introduction	Luca Trani
09:40-10:00	Distribution of atmospheric composition data using Array databases	Olaf Stein
10:00-10:20	Large scale scientific data analytics workflows with Ophidia	Alessandro D'Anca
10:20-10:40	Supervised Semantic and Navigational Displacement Measures for Spatial Data	Mervyn O' Luing
10:40-11:00	Array Databases: a newcomer's view	Luca Trani
11:00-11:30	>Coffee Break	
11:30-12:00	Progress in Array Databases: Technology, Deployments, Analysis	Peter Baumann
12:00-12:30	EO Data Service: Real use of OGC standard services for datacubes exploitation	Simone Mantovani

12:30-13:30	>Lunch Break	
13:00-15:00	Discussion and “hands on” session	Luca Trani & Christian Pagé
15:00-15:30	>Coffee Break	
15:30-16:00	Discussion and “hands on” session	Luca Trani & Christian Pagé
16:00-17:00	Wrap up and conclusions	Luca Trani & Christian Pagé

[Click here](#) to download the workshop materials from the EUDAT B2DROP platform.

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