



A network to connect communities in **AI** and
Environmental, Space, Ecology and
Universe Sciences (S3EU).

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Technical Manager of atelier numérique de l'OMP
And ENVIA network coordinator



OMP Transverse axis (AST) in AI Action Scientifique Transverse

Le bureau / Executive board :

- Rachid.benshila@univ-tlse3.fr (LEGOS)
- etienne.gondet@obs-mip.fr (ATLAS)
- jihane.moultaka@irap.omp.eu (IRAP)
- Laure.raynaud@meteo.fr (CNRM)
- laurent.risser@math.univ-toulouse.fr (IMT)
- silvia.valero-valbuena@iut-tlse3.fr (CESBIO)
- Roland.martin@get.omp.eu (GET)

Information day : Tuesday 21 OCT (Pyrénées room)

Communication :

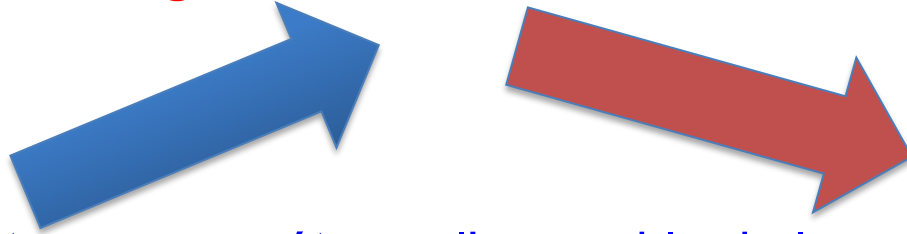
internet adress: <https://groupes.renater.fr/wiki/envia/public>

Academic & regional mailing list : ~ 230 people

- envia@groupes.renater.fr

Objectives of the OMP AI AST and of the ENV'IA network

Attracting AI researchers to our topics



Faire monter en compétence l'ensemble de la communauté.

- *Promote emergence of AI experts in our areas of focus.*
- *Encourage adoption of these new technologies in OMP lab.s.*

Structure and sustain a long-term AI research community for our scientific activities.

Opening up to the regional industrial ecosystem around AI

→ Integrative programme : AI4ENV of ANITI. (go to last slide).

Theme days :

- **AI4ENV** : 4 Sept. **Program** : https://groupes.renater.fr/wiki/envia/kickoff_ai4env_4sept25
- **IAPHDDAY2025** : 10 Juillet 2025 Journée des thèses et des stages en IA. **Playlist Youtube available.**
- **XAI** : 9 Avril 2024 : Comment expliquer et interpréter l'Intelligence Artificielle. **Playlist Youtube available**
- **AI@IRAP**: 9 May 2023 : Introduction to Machine and Deep Learning (ML & DL). Vidéo available

Trainings :

- **IA4REG** : Initiation à la modélisation de séries temporelles (régression) en utilisant Tensorflow et Keras.
 - **R. Kieokaew** (IRAP/OMP).
 - 20 Nov. 2024 et 23 Avril 2025 (Vidéo et pdf disponibles).
- **JAX4IA** : la bibliothèque JAX pour le calcul scientifique et l'apprentissage automatique.
 - **S. Dupourqué** (IRAP/OMP).
 - 14 Avril 2025 (TPs et supports disponibles).

→ **Constantly looking for new people as:**
→ **Speakers for themed days.**
→ **Trainers (Formateurs) (e.g. Pytorch, Pandas...).**

Recent and future actions



***Pandas, Xarray, 2 day training
by 2 LEGOS PhD***

AI4ENV Day : 4 Sept. 25

100 people

ANITI Scientific Director's presentation.

Annual internship funding campaign

- AI transverse axis **selects and finances 2 to 3 internship propositions/year**
 - (L3, M1, M2) for a total duration of 12 months.
 - M1 level are generally preferred.
- **Priority** given to propositions at the **interface of our disciplines and AI**
 - e.g. via a co-supervision by specialists from
 - different disciplines and/or laboratories.
- **Internship propositions** might follow few obligations, in particular
 - A least **one** supervisor must be a member of **OMP staff** (phd and post doc included).
 - The internships must be **hosted** primarily by one of the 10 OMP units.
- All propositions are **evaluated by peers**.
 - Each assessment gives rise to a right of reply from applicants.
 - This procedure represents a form of OMP labelling.
 - We might redirect some propositions to other funding organisations :
 - Such as **AI4ENV/ANITI** in 2026.

Breaking news: ANITI and AI4ENV

- One of the 9 French AI clusters is in Toulouse : <https://aniti.univ-toulouse.fr/>
- They are launching the AI4ENV Integrative programs :
 - Le bureau
 - etienne.gondet@obs-mip.fr (ATLAS)
 - laurent.risser@math.univ-toulouse.fr (IMT)
 - silvia.valero-valbuena@iut-tlse3.fr (CESBIO)
 - Jérôme Monnier (INSA-Tlse)
 - Zhi Cheng (ANITI Manager) (ANITI).
- Open to the private sector to build an ecosystem around AI for the environment, space, ...
- **Internship funding** in order to prepare a PHD might be supported
 - Common annual funding campaign under consideration with the OMP AI AST.
- An AI engineer (Still to be hired) might help certain teams to mature their AI projects in different fields (2 to 4 months help/projects).
- 2 events per year: Alternatively a forum and a themed day every 6 months.



Institut de Recherche
en Informatique de Toulouse
CNRS - INP - UT3 - UT1 - UT2J

