



1 Feb - 2 Feb, 2024

ARGOS

➔ **ARGOS-CDS**, EU HORIZON-INFRADEV (2868 kEuros, 2023-2025)



TITAN

Artificial Intelligence
in Astrophysics

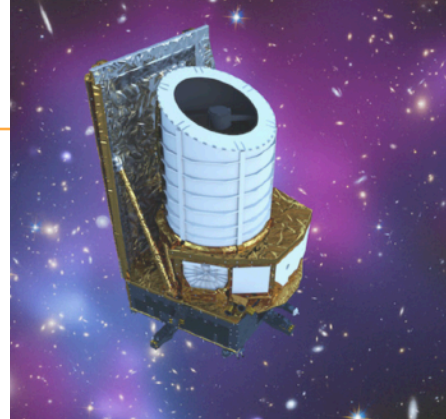
➔ **TITAN**, EU HORIZON-WIDERA (2500 kEuros, 2023-2027), ERA Chair



TOSCA

Weak lensing for optical and radio surveys

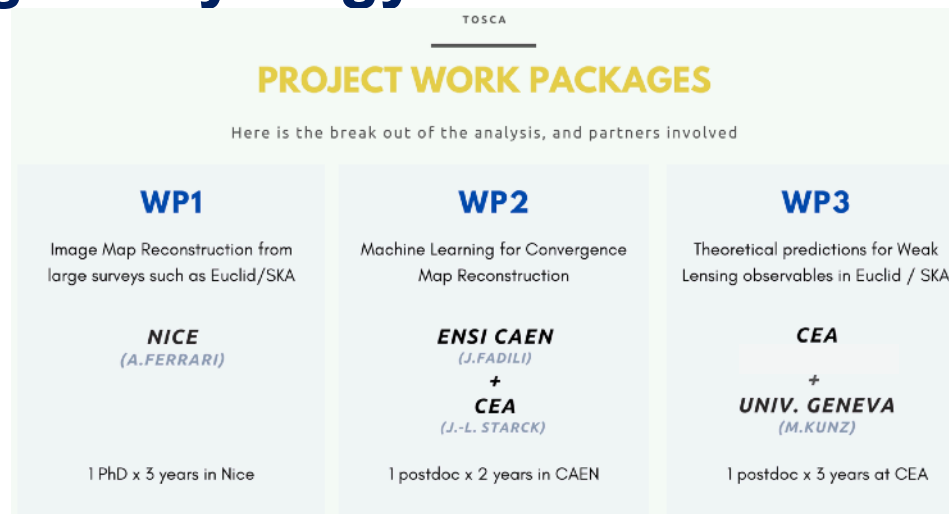
➔ **TOSCA**, ANR (500k, 2023-2028)



Start: 01/04/2023 End: 30th Sept 2027

- Duration : 54 months

New weak Lensing statistics: optimizing the synergy between Euclid and SKA



- 4 Partners

CEA Paris-Saclay: [J.L. Starck](#), M. Kilbinger, S. Farrens, F. Lanusse, L. Goh, V. TS, H.

Univ. de La Côte d'Azur: [A.Ferrari](#), S. Prunet, C. Richard, M. Spinelli, **P. Tripathi**, S. Wang

ENSI Caen: [J.Fadili](#), **H. Leterme** **Univ. Genève:** [M. Kunz](#)

ESA: V. Pettorino



A leading-edge European radio telescope for multi-messenger astrophysics

ARGOS is a concept TRL2 for a leading-edge, low-cost, sustainable radio interferometer



PI: John Antoniadis (IA-FORTH)



Around 30 members from 5 different institutions in 3 different countries.



TITAN : 2023 to 2027



Frugal Artificial Intelligence and Application in Astrophysics, ERA Chair in Astro-Informatics at ICS-FORTH and IA-FORTH

Interdisciplinary center of excellence to develop the tools, methods and applications of computer science, machine learning and statistics for research and education in data-driven astronomy.

The TITAN team will work closely with the CosmoStat team on joint projects relating to multi-channel data analysis, high-dimensional data processing and weak lensing in the optical and radio domains.



Jean-Luc Starck (ERA Chair) and Panos Tsakalides (Coordinator)



TITAN TEAM at FORTH (IA & ICS)



J.L. Starck
ERA Chair



P. Tsakalides
Coordinator



Staff

G. Tsagkatakis.



ICS

G. Tzagkarakis



IA

V. Charmandaris



V. Vasiliki



T. Diaz-Santos



Postdocs



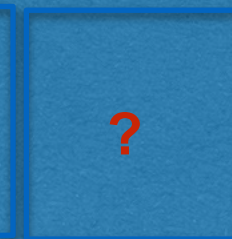
A. Aidini



A. Gkogkou



V. Bonjean



Admin & Technical



M. Papadaki

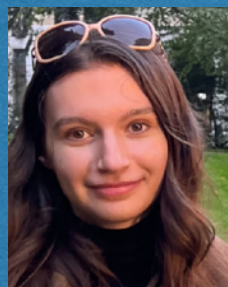


S. Roumpakis

PhD



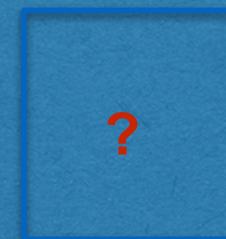
A. Ternesnov



P. Gorbachev



A. Lahiry



FORTH Staff position



Staff

S. Farrens, M. Kilbinger, F. Lanusse, J.L. Starck



Engineers



N. Moukaddem J. Pollack S. Miranda La Hera

Postdocs



L. Baumont



H. Leterme

Postdoc
TOSCA

Postdoc
ARGOS

Postdoc
Euclid

Colum Murray

Engineer/
Researcher
Weak Lensing

PhD



E. Centofanti



S. Guerini



L. Goh Wan Khee



Vilasini T.S.



F. Hervas Peters



Staff position



2023



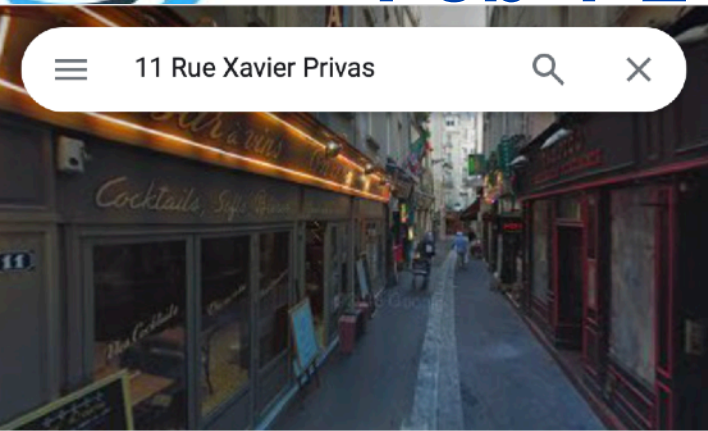
- ✓ **Hiring many PhDs and postdocs**
- ✓ **Good Coordination with the CosmoStat team (visit of 6 CosmoStat researchers), and several visits during the winter from FORTH to CEA and a joint meeting on Feb 1-2, 2024 at CEA.**
- ✓ **2023 Scientific Events**
 - ➔ **Seminar Serie**
 - ➔ **Summer School in Sept 2023.**
 - ➔ **2 TOSCA meetings, 1 ARGOS meeting, monthly TITAN meeting**
- ✓ **Weak Lensing Collaboration working well (Andreas, Lucie, Martin, Vilasini, JL)**

2024

- ✓ **Expect more scientific results in Y2 when the team will be almost complete.**
- ✓ **Complete the hiring**
- ✓ **2024 Scientific Events**
 - ➔ **COSMO21 conference in May 2024 (Chania, Arsenal conference center).**
 - ➔ **June 6-7: Next Joint ARGOS-TOSCA-TITAN meeting in Crete**



Feb 1-2 CosmoStat Days



11 Rue Xavier Privas



11 Rue Xavier Privas



Directions



Save



Nearby



Send to phone



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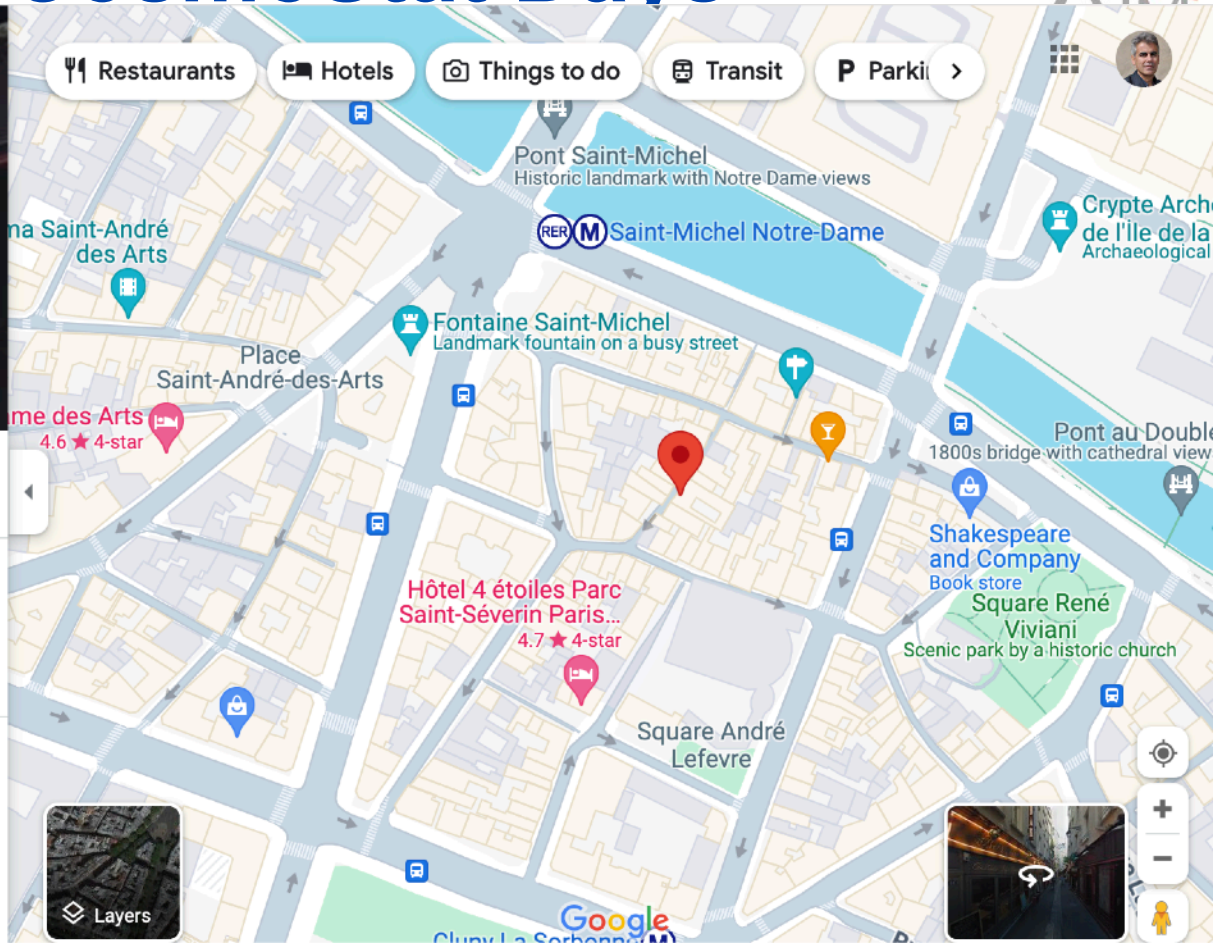
11 Rue Xavier Privas, 75005 Paris



V83W+35 Paris



Suggest an edit on 11 Rue Xavier Privas



-Feb 2 evening, 20h: social dinner

11 Onze Wine-Cocktail-Tapas, 11 rue Xavier Privas , 75005 PARIS