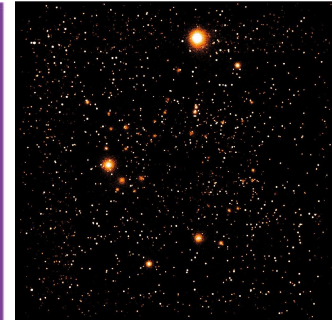
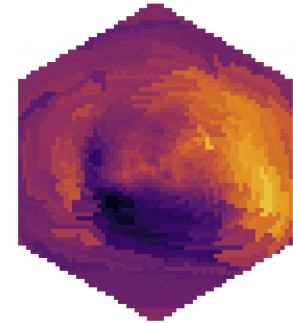
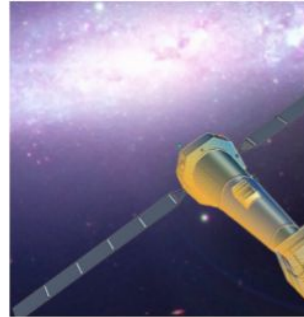


# ATHENA

## The *Athena* Community Office (ACO)



Silvia Martínez-Núñez  
on behalf of the ACO team



UNIVERSITÉ  
DE GENÈVE

Palermo, 26 September 2018

# The *Athena* Community Office (ACO)

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- The ASST established the ACO (December 2015), in order to obtain support in performing its tasks assigned by ESA, notably as “focal point for the interests of the broad scientific community”
- Responsibilities:
  - Organisational aspects and optimisation of community efforts
  - Maintain the *Athena* Community informed
  - Develop communication and outreach activities around *Athena*
- Led by IFCA (CSIC-UC) in Spain, with contributions from IRAP, MPE and UniGe

## ACO Team

---



Francisco  
Carrera (IFCA)  
ACO Director



Didier  
Barret (IRAP)



Enrico  
Bozzo (UniGe)



María Teresa  
Ceballos (IFCA)



Silvia  
Martínez (IFCA)



Pilar  
Monterde (IFCA)

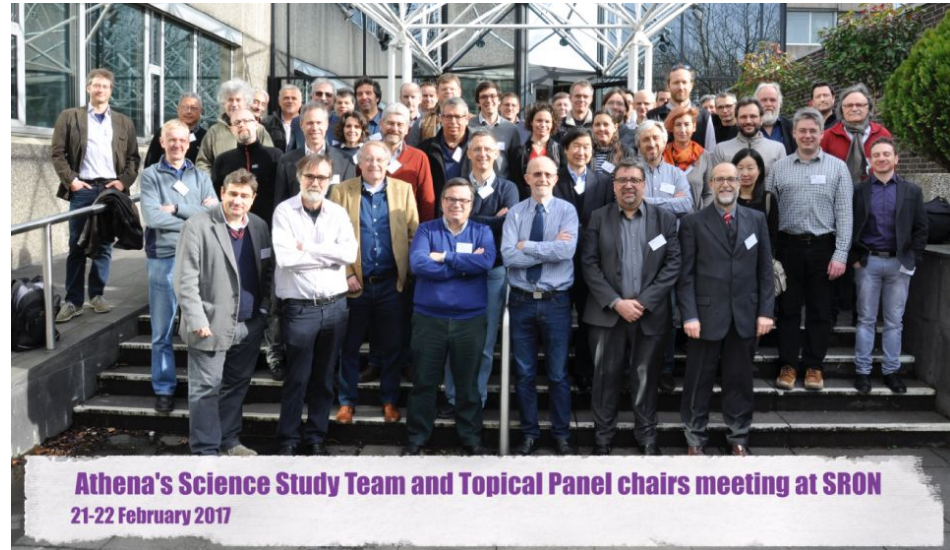


Arne  
Rau (MPE)

# Organisational aspects: exercises, internal meetings, ...

---

- Support to ESA required exercises, such as SIMO and CORE
- Regular ASST internal meetings
  - Summary of meetings (ASST-SOM)
  - Debrief to SWG and TP-chairs
- ASST-SWG-TP-chairs meetings (~ 2-3 per year)
  - Support on organisation matters
  - Summary of meetings (ASST-SOM)
- Instrument consortia meetings
  - Brief summaries on the web and social media provided by the PIs of the instruments



# Organisational aspects: the Athena Document Repository



Search...

## Athena Science Working Group document repository

### The Athena Mission

[Mission Overview](#)  
[ASST-WG Organigramme](#)  
[Help Desk](#)

### Meetings Calendar

[WGs and TPs meetings](#)  
[Add a Meeting](#)

### ASST-WG Documents

[Document Repository](#)  
[Rules on document to ASST](#)  
[Upload or Delete Document](#)

### ASST

ASST reserved repository and repository of all documents that the ASST wants to share with members at different levels in the Athena hierarchical organization.

### Synergies

Categories dedicated to all synergies exercises between Athena and other present/future facilities.

### ASST-WG\_Meetings

Category dedicated to meetings involving members in the top levels of the Athena organigram (from TP chairs and above)

### Activities

Categories dedicated to all specific activities of the Athena working groups and topical panels coordinated by the ASST.

### Working Groups

All categories dedicated to the different working groups and topical panels in the Athena hierarchical organization.

### Public

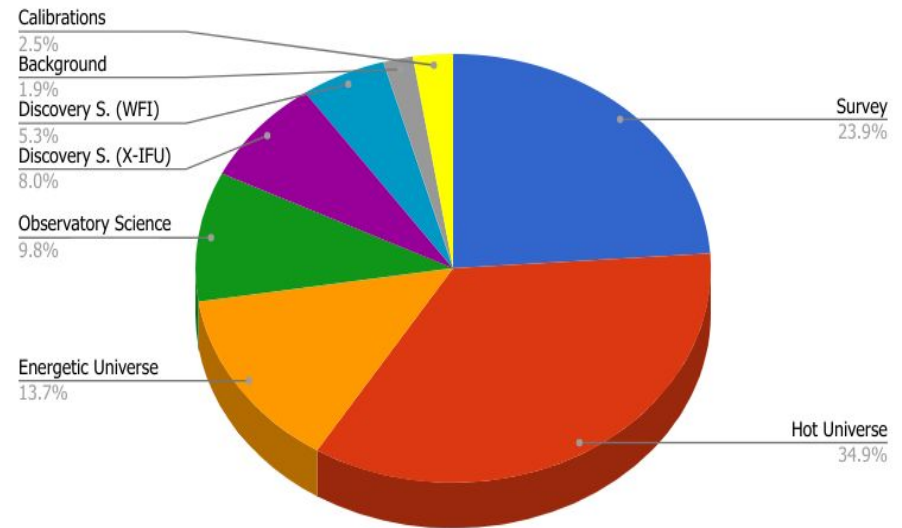
Category dedicated to documents accessible to all members having an account on this on-line tool.

<http://www.isdc.unige.ch/athena/>

# Organisational aspects: support to ASST

---

- Mock Mission Observation Plan (MOP): observing plan of *Athena*, which it is used for the purpose of mission design
- Since September 2017: maintenance of the document is transferred to ACO
- Current version (1.6) includes CORE output + reference spectral models (**still some missing**)
- Working in a *simput* format as input to SIXTE



# Organisational aspects: support to ASST

- To ensure presence of the project in relevant conferences

- Definition of a strategy: particularly important prior to adoption, to make sure that the governing bodies and their scientific advisors are aware of the relevance and good health of *Athena*
- Monthly follow-up of conferences of interest for the project
- Emails to chairs or key members of the community in most relevant conferences

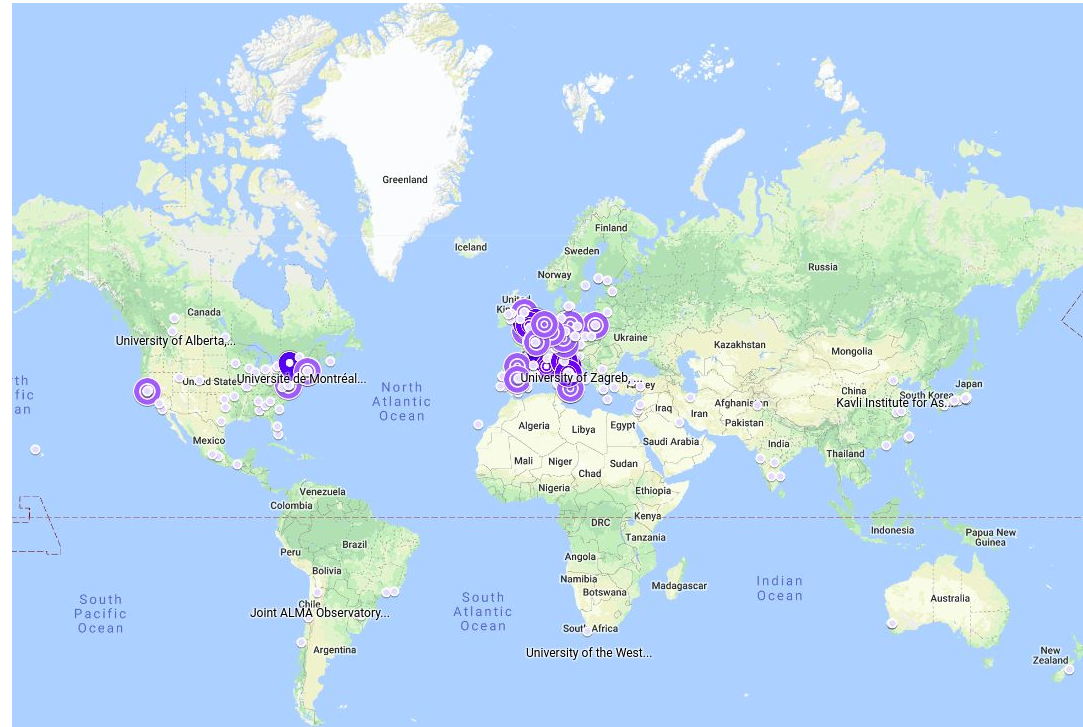
Category	Must			Nice	Indiff.
	A.a: Splinter session	A.b: Invited Talk	A.c: Cont. talk (A.d: poster)	B	C
1 Generic X/space science	Very early warning, SOC membership				
2.1 Generic International					
2.2 Generic National					
3 Primary science			Early warning, Personal, specific conference		
4 Observatory science				Generic, specific conference	
5 Mission/observatories					Generic
6.1 Instrumentation	Very early warning, SOC membership				
6.2 Software			Personal, specific conference		



# Organisational aspects: *Athena* Community database

---

- Currently ~800 members
- The application for Working Group membership is opened once a year
- Major update per year associated to the assessment of new members
- Please inform us of any affiliation changes using the form provided in the latest brief news email

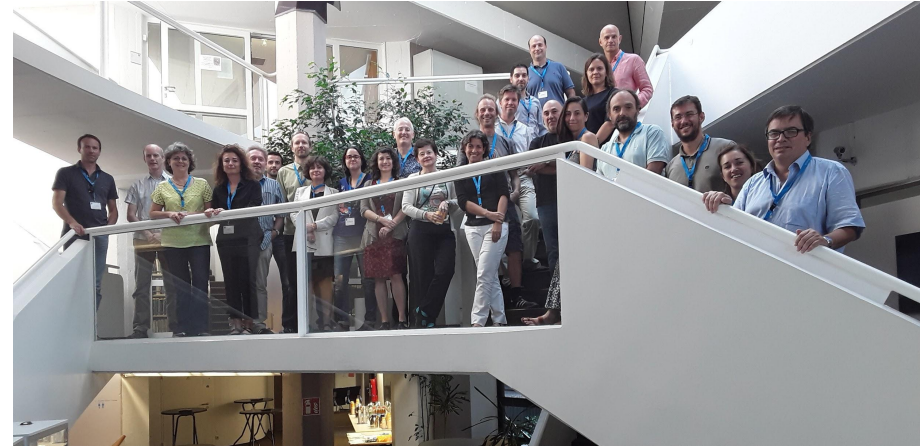


# Organisational aspects: support to synergy exercises

---

## ■ ESO-Athena Synergy exercise:

- March 2016: Kick-off
- Sept. 2016: Workshop at ESO headquarters
- May 2017: arXiv: [1705.06064](https://arxiv.org/abs/1705.06064)



## ■ SKA-Athena Synergy exercise:

- Sept. 2016: Kick-off
- April 2017: Workshop at SKA headquarters
- July 2018: arXiv: [1807.09080](https://arxiv.org/abs/1807.09080)





# Organisational aspects: *Athena* Community Support Portal (Resources)

<http://www.the-athena-x-ray-observatory.eu/>

## ■ *Athena* Brand

- Presentations templates
- Logo, leaflet and factsheet

## ■ Publications

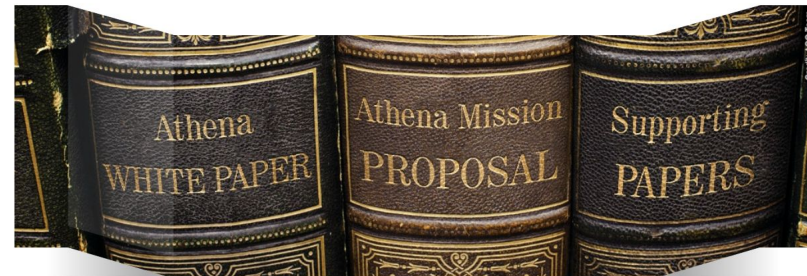
- Papers related with *Athena*
- Overview papers
- *Athena* mission proposal and white paper
- Supporting papers

## ■ Presentations

- Related with *Athena*
- Standard presentations



ATHENA<sup>+</sup> The *Athena* X-ray Observatory: Community Support Portal



## Resources



## Athena Community brand

Templates (pptx, odp, key) to use in *Athena* presentations.



*Athena* Community Web portal Brand, logo and inverted logo.



*Athena* leaflet.



*Athena* Factsheet.



*Athena* Community leaflet.



# Maintain the *Athena* Community informed

- [Athena Community Support Web Portal](#) (and social media)
  - News of interest for the community
  - Summaries of activities related to the project
  - Announcements of conferences
- Brief News by email
  - News relevant for the community
  - Asking for inputs from the community



## Latest activities & news



**"Exploring the Hot and Energetic Universe"** conference. 24-27 September, 2018

The second conference dedicated to Athena (the Advanced Telescope for High-Energy Astrophysics), the second large-class ESA mission (L2), will be...

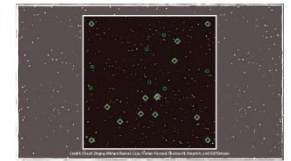
[READ MORE +](#)



**The Athena new leaflet and fact-sheet are launched today!**

The Athena leaflet and fact sheet are stored in the Athena Community Portal under Resources/Athena Brand. Please feel...

[READ MORE +](#)



**#AthenaNuggets: Athena's discovery potential for early galaxy groups**

Early galaxy groups and clusters, the biggest objects of the universe, hold important clues to understand their formation...

[READ MORE +](#)



**CTA 1st Science Symposium, Exploring the High-Energy Universe with CTA**

The scientific event "CTA 1st Science Symposium, Exploring the High-Energy Universe with CTA" will be held on 6-9 May 2019 at...

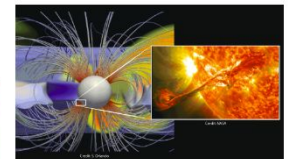
[READ MORE +](#)



**ESA has issued the XMM-Newton 18th Announcement of Opportunity (AO-18) on 21 August 2018**

The eighteen Announcement of Opportunity (AO-18) soliciting proposals for XMM-Newton observations is now open.

[READ MORE +](#)



**#AthenaNuggets: The Fast and the Furious: extreme stellar flares**

Stars (specially young and active ones) produce flares that affect significantly their surroundings, as happens in the Sun-Earth...

[READ MORE +](#)

# Maintain the *Athena* Community informed

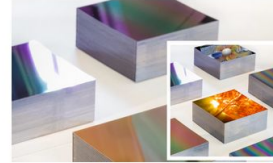
## ■ Newsletter (every 6 months)

- *Athena* Project Status
- News from instruments
- Scientific Nugget
- Technical Nugget
- 3 Biographies
- Other: synergy exercises, background studies, AO new members, ...
- Conferences with presence of *Athena*

- What do you think about the newsletter? Share your opinion with us in our coming poll



## Newsletter Archive



Newsletter #5 (June 2018)

[READ MORE +](#)



Newsletter #4 (December 2017)

The fourth issue of the Athena community Newsletter is released on 21st of December 2017....

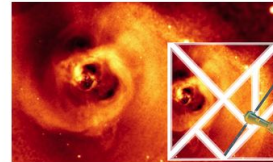
[READ MORE +](#)



Newsletter #3 (June 2017)

The third issue of the Athena community Newsletter was released on 21st of June 2017....

[READ MORE +](#)



Newsletter #2 (December 2016)

The second issue of the Athena community Newsletter was released on 21st of December 2016....

[READ MORE +](#)



Newsletter #1 (June 2016)

The first issue of the Athena community Newsletter was released on 22nd of June 2016....

[READ MORE +](#)

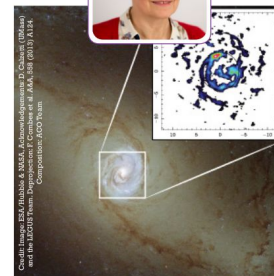
## Athena Community People



### *Françoise Combes*

Françoise is an astrophysicist at Paris Observatory, and professor at College de France. She has worked both on numerical simulations of galaxy dynamics and multi-wavelength observations of galaxies, at low and high red-shift. X-ray data have always been very useful to her, first for the physics of AGN, where her interests are in their molecular gas fueling and feedback, and second to map the hot gas in cool core galaxy clusters, where they have detected molecular gas in cooling filaments.

Françoise is co-chairing the topical panel "Multi-wavelength synergy", which is gathering all common interests from radio wavelengths to gamma-rays for the Athena science. She has participated in the EAST (ESO-Athena Synergy Team) writing the White Paper on Athena synergies with ESO based facilities in the Optical/NIR (VLT, E-ELT) and sub/mm (ALMA) regimes.



The deprojected CO emission detected by ALMA of the center of the nearby active galaxy MCG 143.

# Develop communication and outreach activities

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- **Purpose:** to develop a number of activities in communication and outreach aimed at raising awareness of the science and technology of *Athena* making them broadly known
- **Communication:** to the scientific community, mostly that working on other Astrophysics & Space Science areas; to funding agencies & related policy makers etc; to the general public
- **Outreach:** addressed to the general public with no (or little) scientific knowledge



# Develop communication and outreach activities

## ■ #AthenaNuggets

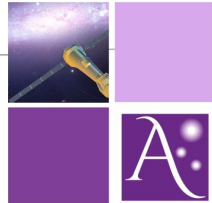
small pieces of *Athena* scientific or technical knowledge

■ Released monthly (every first Saturday of a month) in the web and social media

■ For the community: presentation collecting all nuggets is stored in the *Athena* Community Web Portal

ATHENA

Athena Nuggets

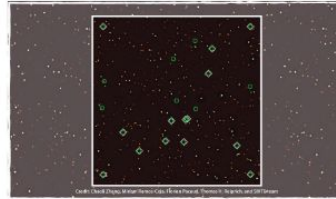


Athena Community Office

IFCA (CSIC-UC)



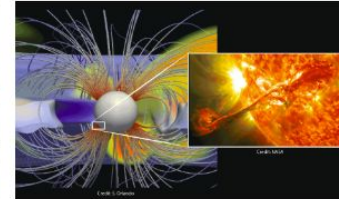
Athena Nuggets



#AthenaNuggets 28: Athena's discovery potential for early galaxy groups

By Thomas H. Reiprich, Chaoli Zhang, Miriam Ramos-Ceja, and Florian Pacaud, Argelander-Institut für Astronomie (Bonn, Germany)

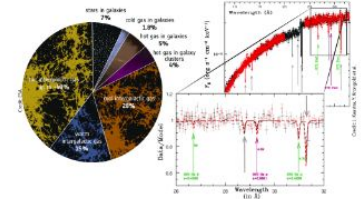
[READ MORE +](#)



#AthenaNuggets 27: The Fast and the Furious: extreme stellar flares

By S. Sciortino and I. Pillitteri, INAF-Osservatorio Astronomico di Palermo, Palermo, Italy

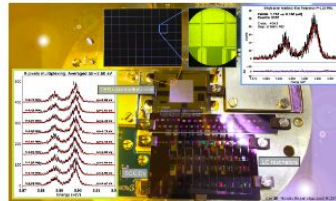
[READ MORE +](#)



#AthenaNuggets 26: The hunt for missing baryons has opened

By Jelle Kaastra1 and Fabrizio Nicastro2 (1) SRON (Netherlands Institute for Space Research) & Leiden Observatory, The Netherlands (2) INAF, Osservatorio...

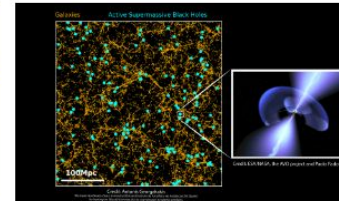
[READ MORE +](#)



#AthenaNuggets 25: Reading X-ray detector signals out in MHz frequency space

By Hiroki Akamatsu on behalf of the team developing the Athena/X-IFU detector readout technology (SRON, Netherlands Institute for Space Research,...)

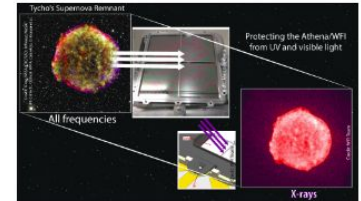
[READ MORE +](#)



#AthenaNuggets 24: Connecting supermassive black-holes with the cosmic web

By Antonis Georgakakis (National Observatory of Athens, Institute for Astronomy, Astrophysics, Space Applications & Remote Sensing, Greece)

[READ MORE +](#)



#AthenaNuggets 23: Protecting the Athena/WFI from UV and visible light

By Marco Barbera (Dipartimento di Fisica e Chimica - Università degli Studi di Palermo)

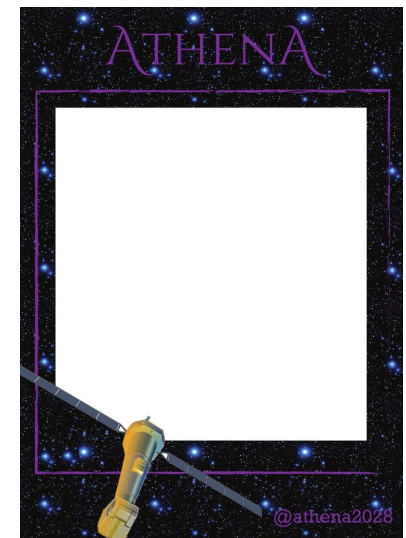
[READ MORE +](#)

# Develop communication and outreach activities

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## ■ Outreach material

- ACO provides materials such as texts, presentations pictures, flyers, photocall, calendar, and links to available *Athena*-related materials produced by other parties
- To build a network: AHEAD, MPE, IRAP, SRON, ...



# Develop communication and outreach activities

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- 11th of February: International Day of Women and Girls in Science
  - Purpose: to promote and make more visible our female scientists' work
  - 2017: Poster including the photos of most of the female members of the community (~200) + Videos of six of our female co-chairs sharing their life experience in Science
  - 2018: video-clip with inspiring messages for the future and present generations



**ATHENA FEMALE SCIENTISTS**

International Day of Women and Girls in Science, 11 February 2017



Athena at the  
International Day of Women and Girls in Science  
11 February

# Outlook

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- In summary, ACO is meant to be a focal point to facilitate the scientific exchange between the *Athena* activities and the scientific community at large, and to disseminate the *Athena* science objectives to the general public
- Please, follow *Athena* on
  - Web: [www.the-athena-x-ray-observatory.eu](http://www.the-athena-x-ray-observatory.eu)
  - Twitter: [@AthenaXobs](https://twitter.com/AthenaXobs)
  - Facebook: [The Athena X-ray Observatory](https://www.facebook.com/TheAthenaXrayObservatory)
  - Youtube: [Athena X-ray Observatory](https://www.youtube.com/AthenaXrayObservatory)
- Be an active part of the *Athena* communication team by re-posting our news in your social media channels!
- Any questions or suggestions please contact us at [aco@ifca.unican.es](mailto:aco@ifca.unican.es) and don't forget to inform us of any change of your affiliation, relevant paper or talk in a conference of interest!

ATHENA:



# ATHENA

Community Office



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Team