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# GRANDMA Meeting

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Sarah Antier (19/11/2018)

# What is GRANDMA

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GRANDMA is composed by different astronomical groups and/or institutions, bringing telescopes, infrastructures or expertises. Members are listed in the different memorandums of understandings (MoU) attached to GRANDMA science management plan.

Duration of the agreement: March 2019 to April 2020 + 6 months

Participation of the different teams to the joint effort (télescopes, infrastructure, coding, ...)

Participation of the Burst advocate activities

# GRANDMA Organisation

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Principal coordinators GRANDMA: Sarah Antier, Xuhui Han

PI Tarot: Michel Boer

PI Iris and OHP/1.20m coordinator : Stéphane Basa

PI Zadko: David Coward

PI GWAC+60cm (SVOM): Jianyan Wei

Principal coordinator CFHT Changchun (SVOM): Chao Wu

Principal coordinator ToO Lijiang: Jirong Mao

Principal coordinator ToO CFHT: Wang Jing

Principal coordinator ToO Xinglong-2.16: Liping Xin

Principal coordinator Makes-60: Alain Klotz

# GRANDMA activities

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Topic 1: Status of GRANDMA and external

Topic 2: ToO Manager (at LAL, receiving alerts)

Topic 3: Scheduler (hosted at NAOC), observations status, observations priorities

Topic 4: Observations strategy (scanning, targeting, pointing)

Topic 5: GRANDMA DataBase and BA activities

Topic 6: Optical detection pipelines and coincidence with others surveys

Topic 7: Follow-up (photometry, spectroscopy, intercalibration)

Topic 8: Grandma alerts and reporting

Topic 9: Publications: all

Topic 10: Infrastructure (grandma server, messages transmission): Topic 11: Public and astronomers amateurs

# List of members from Grandma

Members from LIGO/Virgo, TAROT, SVOM/TOP, GMG, KAIT, MMA addicts ;)

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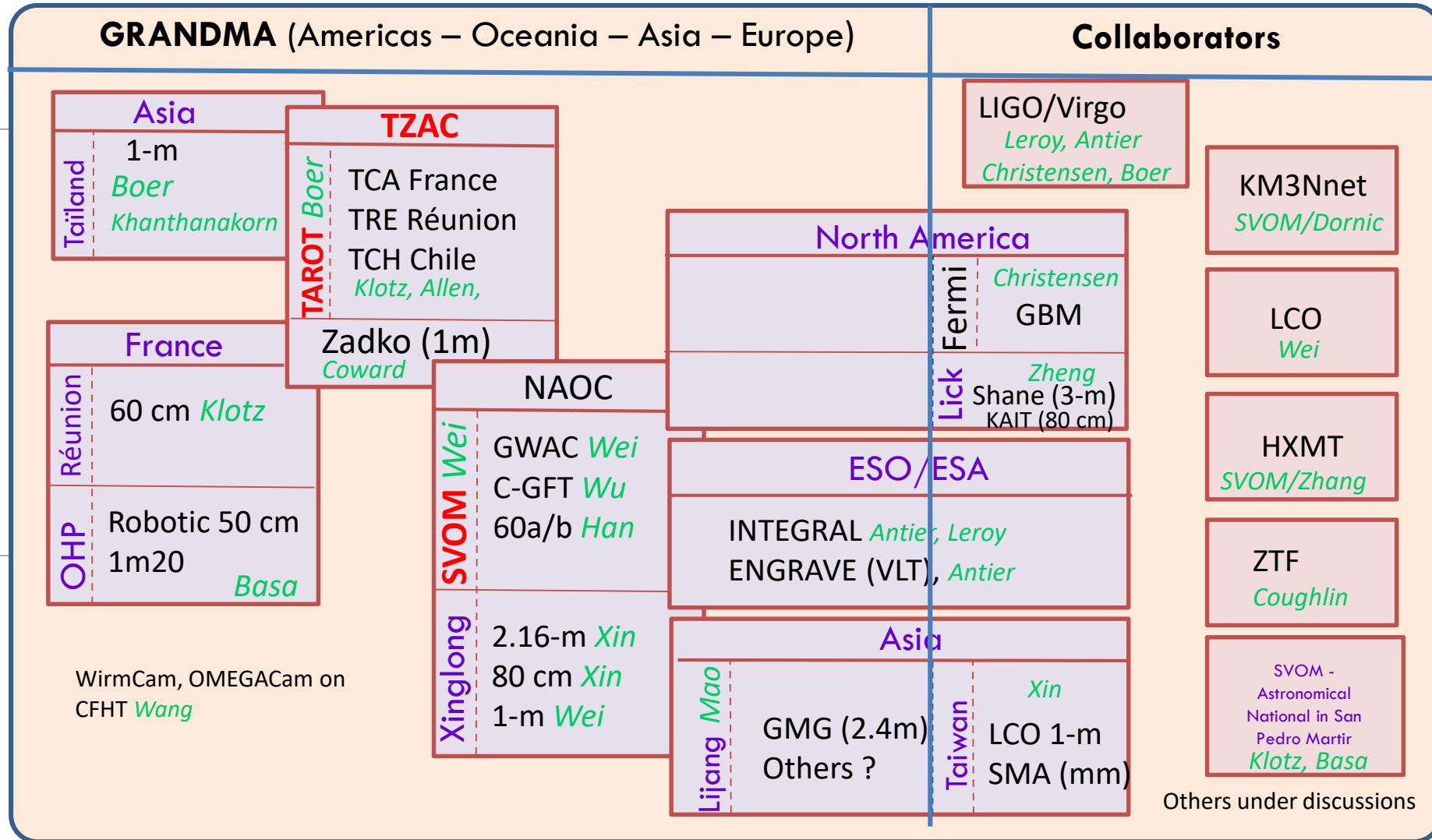
S. Antier, PI (LAL, France), S. Basa (LAM, France), M. Boer (Artemis, France), Hongbo Cai (NAOC, China), N. Christensen (Artemis, France), A. Claret (CEA, France), B. Cordier (CEA, France), M. Coughlin (Caltech, USA), D. Corre (LAM, France), D. Coward (UWA, Australia), J. Ducoin (LAL, France), B. Gendre (UWA, Australia), X. Han (NAOC, China), P. Hello (LAL, France), A. Klotz (IRAP, France), C. Lachaud (APC, France), N. Leroy (LAL, France), J. Mao (YNAO, China), N. Khantanakorn (Artemis/IRAP, France), C. Stachie (Artemis, France), D. Turpin (NAOC, China), J.Y. Wei (NAOC, China), J. Wang (NAOC, China), C. Wu (NAOC, China), L. Xin (NAOC, China), W. Zheng (UC Berkeley, USA)

The team tends to become bigger with contribution to scientific expertises



We need to create a GRANDMA CORE TEAM

# GRANDMA and external collaborations



# GRANDMA TARGET SCIENCE

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**GW follow-up** during the third observational campaign (april 2019 – april 2020)

During that period, in addition:

Any interesting **GBM or Swift GRB candidates**

Case by Case any other transient (proposed and voted by core GRANDMA team)

# GRANDMA POLICY: MEMBERSHIP

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To be a member of the core GRANDMA team: [Participation to GRANDMA effort:](#)

- *Participation one GRANDMA activity & BA shift*
- *The majority of 2/3 of votes during GRANDMA telecon is required*
- *The new member can either join an existing group or be independent. In this case, a new MoU should be signed with GRANDMA project.*
- *His integration is effective immediately and his name appears automatically either on alert publications or articles.*
- *If a member would like to leave the GRANDMA collaboration, he needs to sign separately that he will respect the privacy of data he had access but no longer be informed on the activities*



# GRANDMA POLICY: MEMBERSHIP

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As a member,

- Respect the confidentiality of the data inside GRANDMA
- All members can present their own contribution publically as well as GRANDMA publications (Circulars material, publications) but the name of GRANDMA should appear clearly.
- If they want to show GRANDMA work during conference, they need to submit their abstract, presentation in time (the given presentation will be added to the wiki).

# GRANDMA POLICY: DATA SHARING

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In case of a follow-up coordinated by GRANDMA network,

- All observation and data product related to the follow-up fall under this present agreement.
- All the members need to respect the rules below in term of data sharing: the confidentiality of the data shared in the GRANDMA database, the confidentiality of the internal scientific results (interesting candidates characteristics, photometry or spectrometry measurements).
- Data shared among the GRANDMA consortium are defined as high levels scientific products (needs to be uploaded in the GRANDMA database) to perform a rapid follow up and useful for the BA.
- The reduction of the raw data is under the responsibility of the different contributed teams.
- In case of publications, additional material can be added and discussed during the regular GRANDMA telecons.
- Independant publications cannot be done before the GRANDMA publication.

# GRANDMA POLICY: AUTHORSHIP

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## **Circulars:**

- Title will mention GRANDMA and GROUP/Observatory which performs the observations
- Will be by alphabetic order
- Will include GRANDMA core team list and full list of group/observatory which performs the obs
- the BA actually on shifts can add his name first, followed by the operator or the duty scientist (if relevant)

## **Notice:**

- As instrument, will be mentioned GRANDMA-Telescope

## **Discovery Publications:**

- GRANDMA group (names) + Telescope (Name), ... separatly
- One person will have to take responsibility to be the leader for coordinating the full paper, delagating the different sections. His name will be mentionned as contact author

**Further Publications:** case by case (more like interpretation) and in agreement with GRANDMA core team, main contributors could appear in the head of the publication

# GRANDMA attractivity

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- TNT (80 cm robotic) in Xinglong from Tingshua group (XiaoFeng group) + LIGO Tingshua group will join
- More ground chinese facilities express their interests: Xingjing (1-m telescope,  $1.37 \times 1.37$  deg<sup>2</sup>), Tibet ?, BNU (He Gao), ...
- Associated chinese groups: HXMT, Radio ?
- In France: still SMM ? Radio ?
- Ratir in Mexico ?
- Others facilities from OzGrav only for GRB ?

# GRANDMA NOVEMBER MEETING

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**HAKATHON OVER 5 DAYS  
BASED ON VOLUNTARING**

**DEVELOPPING, TESTING THE WHOLE PROJECT  
HAVING FUN IN SCIENCE**

