

Hands-on Radio waves

SKACON-IAU
Kick-Off Meeting

May 5th, 2021

People

France:

- Fabrice Mottez (NOC)
- Anne Laure Melchior (Proposer)
- Philippe Salomé (Proposer)
- Yaye-Awa Ba (Partner)
- Danielle Essaka (Student)
- Tsiky Rivoherisson (Student)
- Léa Fournier (SKACON)

Cameroon:

- Roland Ndunge (NOC)

Haiti:

- Rulx Narcisse (NOC)

Poland:

- Krzysztof Czart (NOC)
- Krzysztof Chyży (Partner)

Portugal:

- João Retrê (NOC)
- Sonia Anton (SKACON)
- Domingos da Silva Barbosa (SKACON)

Agenda

1. Presentation of participants **(15-20min)** - round table **(All)**
2. Recall of the project objectives, animation, deliverables **(ALM or PS)** - **(10-15min)**
3. Discussion on the objectives (each one can explain his context and goals) **(All) (15min)**
4. Organisation : roles, tasks, time involvement, milestones, next meetings, tutorials.. **(All) (15min)**

Communication

Mailing-List

To **share messages** (email) with everybody, please use the mailing-list :
iau.skacon@sympa.obspm.fr

Discord

To **discuss progress** in the different aspects of the project, please use:
<https://discord.gg/4ND6XGY6>

Website

To **publish information** : we can use the website here
<https://vm-weblerma.obspm.fr/iau-skacon/>

Action : could you send me a picture of you ? Any other picture /
information related to the project you think relevant to add on the website

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Objectives

WHAT ?

- Propose and promote outreach and educational material for radio-astronomy in the context of SKA

FOR WHOM ?

- Public : High schools, University, Amator clubs, Public events

HOW ?

- On-line material (see discussion here)

Means

- Make the 2nd antenna back in the network - prepare receiver change
Software coding → internship funding
- Design study for inclusion of the 5m Portuguese antenna in the network
Software study
- Organise training sessions in Haiti and Cameroon for remote observations
Outreach
- Design / organise outreach materials / events
Outreach

Deliverable

« The funding will be used for the software development needed to improve the quality of the receivers used for the antenna accessible through the Web interface. Indeed the SRT network is the core of the project as it enables any registered user to observe the HI in the Milky Way 24 hours a day, 7 days a week »

Obsolescence of the receivers after 10 years of non-stop use
—> Urgent need to have a longer term solution or stop activity

« Internship for a developer student who will be asked to interface the new electronic card to the web interface. The student will be hired in LERMA, Observatoire de Paris (France) »

Timeline

Starting : students from May 15th and May 31st

Starting : Define a schedule (number of sessions / dates / content / feedback)

	Software developments	Outreach and education actions
<i>Jan-Apr 2021</i>	Announcement of the call for a software developer	Training of the (Cameroon, Haiti) partners to the pedagogical material, available on the EUHOU-MW web site
Apr-Sept 2021	Software development of a new software interface for SRT	Training sessions for high school students (Cameroun, Haiti)
Sept-Dec 2021	Software installation on Polish and <u>French radio telescopes</u>	Public outreach events (all)

To be prepared in advance: Which school or University / List of local contacts to include in the loop / organizational details

Roles

- Make the 2nd antenna back in the network - prepare receiver change (and design study for the Portuguese antenna)

Software coding → internship funding

Yaya-Awa, Tsiky, Danielle, Philippe, Domingos ? Chris ?

- Organise training sessions in Haiti and Cameroon for remote observations

Outreach

Daniel, Roland, Narcisse, Philippe, Barbara,?

- Design / organise outreach materials / events (ie website / translation)

Outreach

Philippe, ...? + All

Discussion

- Actual / More Objectives ?

For example : express own goals : either possible within this project or good for future projects / perspectives on a longer term. Outreach : forum, twitter, small interviews, cartoons ?

- Context / Limits / Problems ?

For example : limited internet connexion in schools / university in Haiti and Cameroon

- Next steps ?

See the discussions on Discord or the Mailing-list

- Proposed Next Meetings : **June 7th and July 5th**