



SONG policies and Time Allocation



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SONG inauguration 25 October 2014



Credit: Daniel López / IAC



Credit: Inés Bonet (IAC)



Image Credit: Mads Fredslund Andersen, SAC

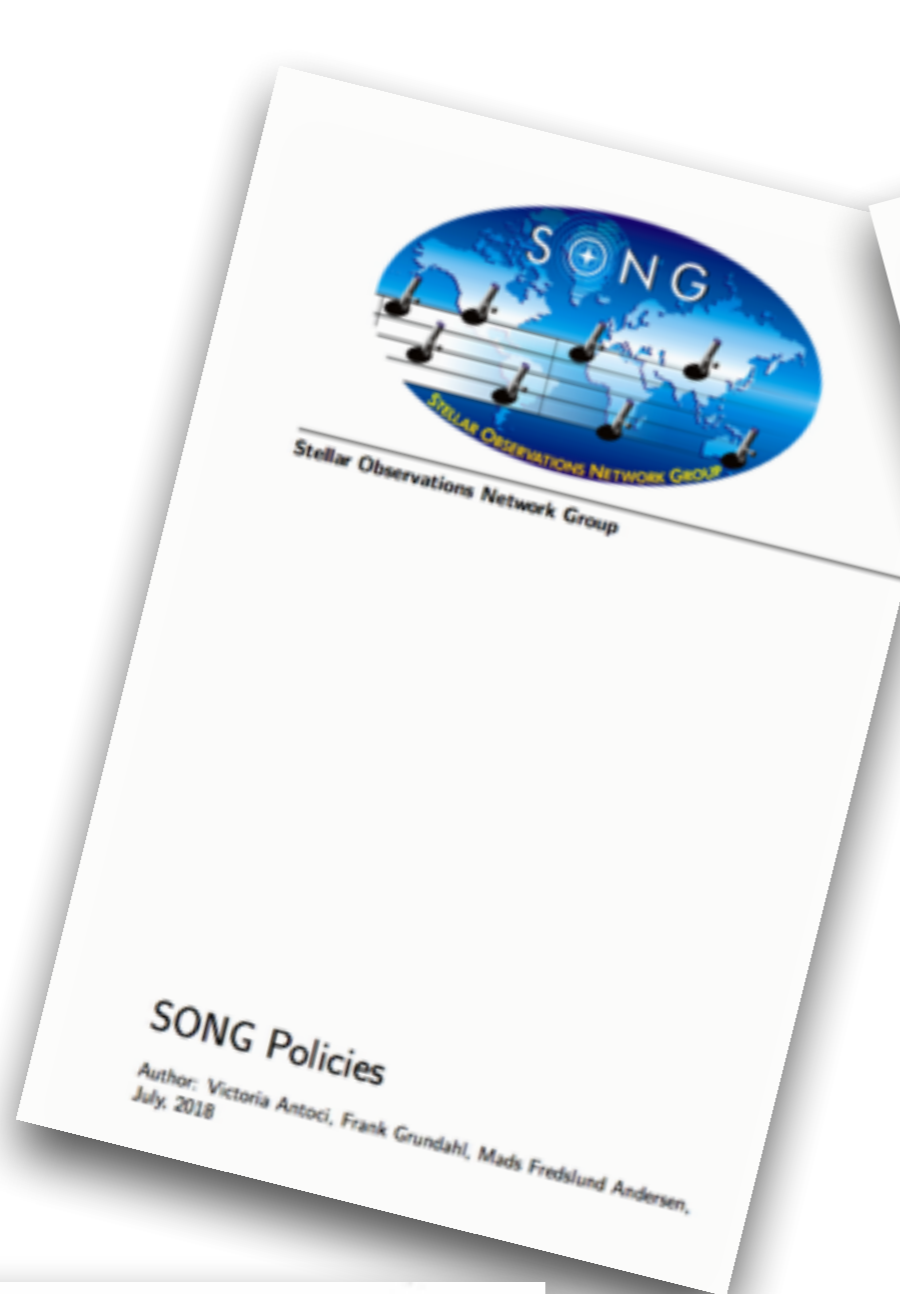


Credit: Daniel López / IAC

Why do we need policies?



All day long, a tough gang of astrophysicists would monopolize the telescope and intimidate the other researchers.



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"That's what I hate about being a caveman.
Everything has to be carved in stone!"

**SONG policies not carved in stone
and are changing and being adapted
as SONG continues to grows**

What is SONG?



SONG is not an observatory, but a PI instrument...

The scientific goals for SONG are to:

- study stars at a level of detail similar to what can be obtained for the Sun with integrated disk observations. This is primarily done through asteroseismic studies of these stars.
- search for and characterise planets in orbit around other stars than the Sun.
- do time domain astronomy using the SONG instruments.

=> this requires:

- **long-term programmes**
- **high cadence spectroscopic** observations (for **precision radial velocities**)
- **photometry** in crowded fields of the galactic bulge to observe gravitational microlensing events.

To reach these goals we aim for the construction of a network consisting of 8 'identical' telescope nodes.

From the scientific point of view the network is considered as a single instrument.

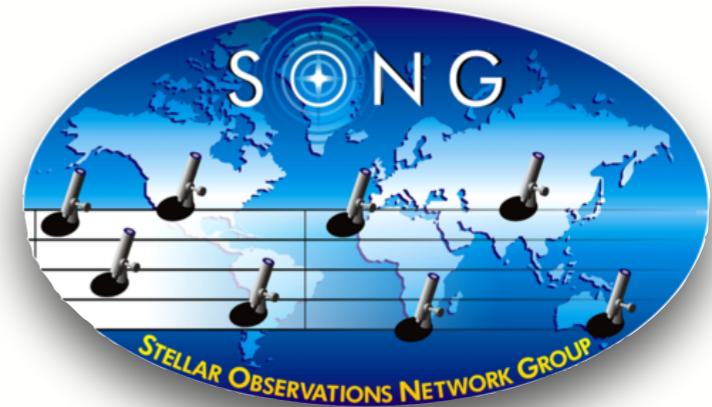
SONG Partners

Aarhus University

Copenhagen University

Instituto de Astrofísica de Canarias

National Astronomical Observatories, China



... and very soon University of Southern Queensland
(Mount Kent Observatory)



SONG Partners

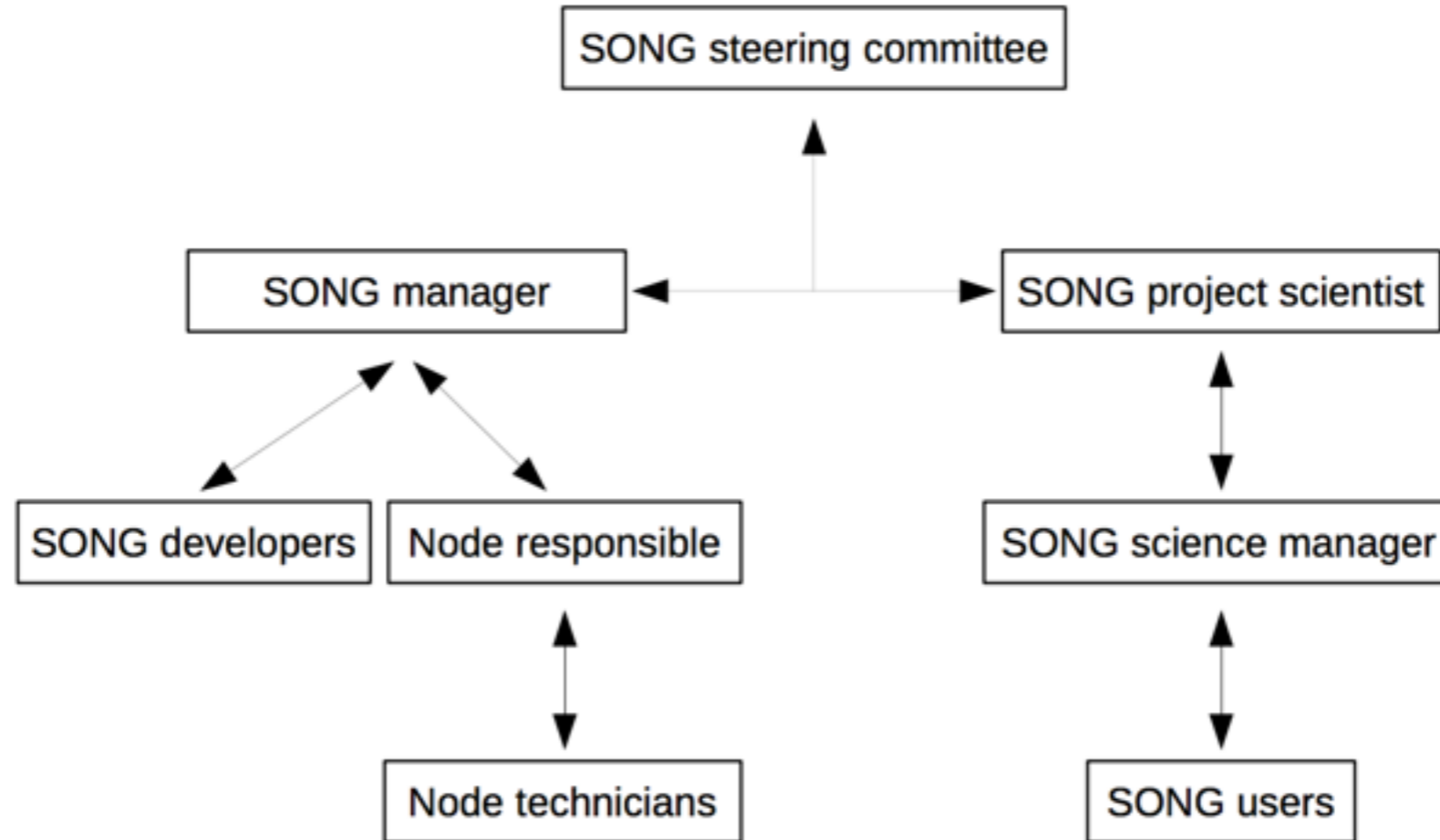
A partner is defined by the amount of contributions made to the network. These can either be the provision of a telescope site or of funding/manpower/infrastructure equivalent to at least 30% of one node, but ultimately decided by the SSC. Each partner agrees to share 100% of the observing time with the entire network and the SONG community.

SONG Collaborators

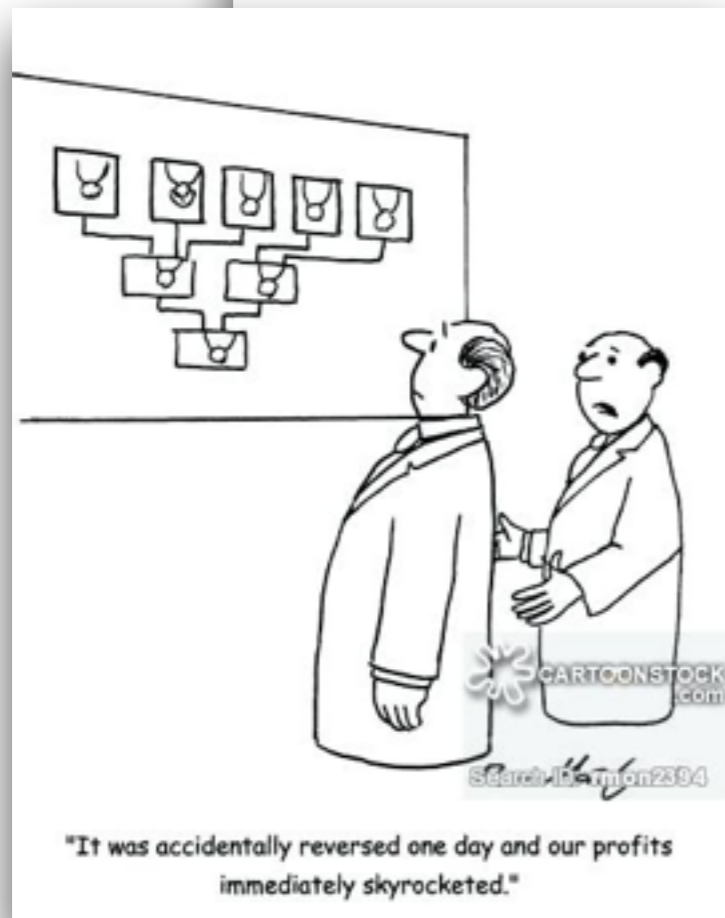
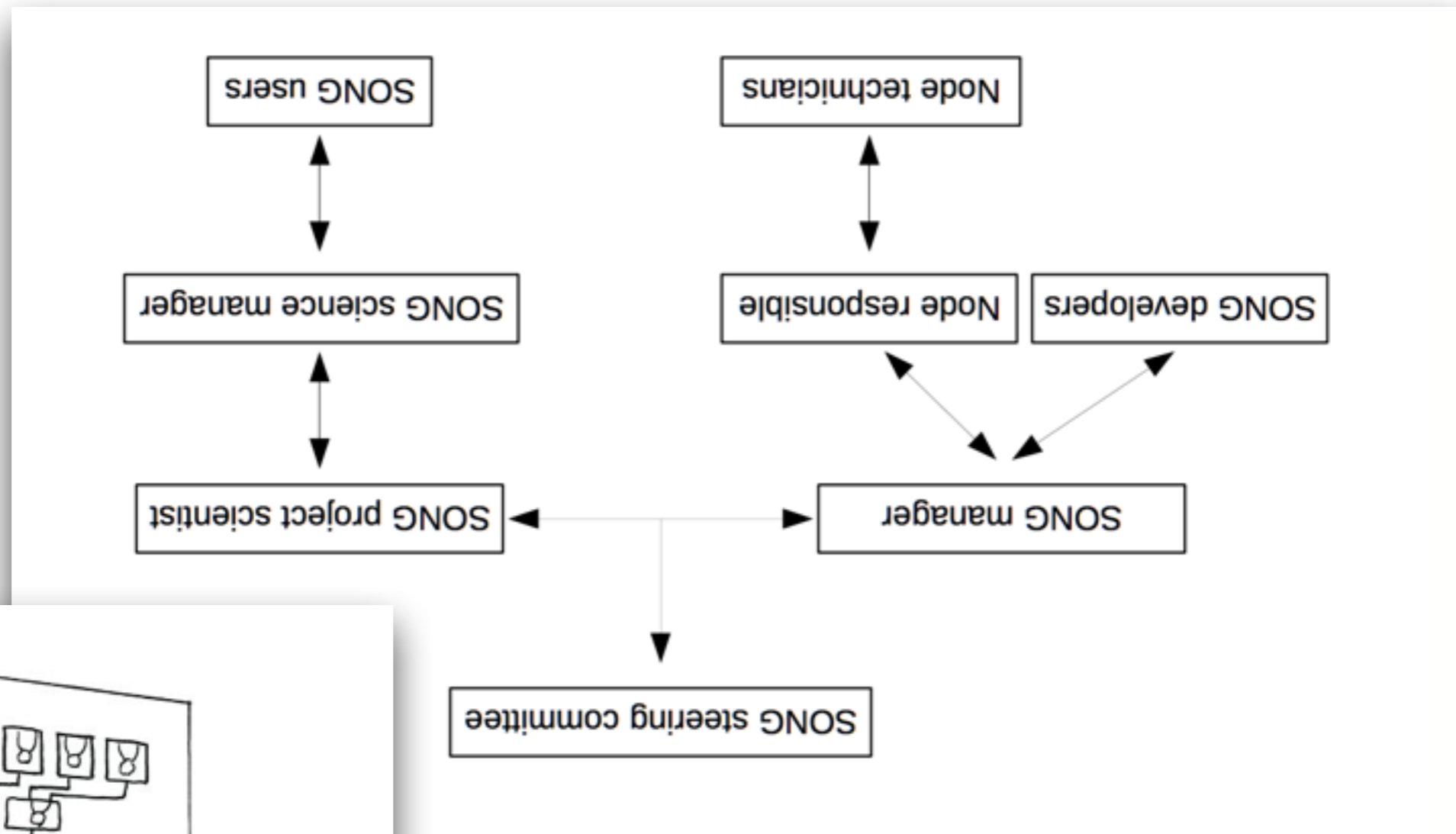
A collaborator is part of the SONG collaboration and has the right to apply for observing time and will have access to the data products.

Scientists affiliated to the research groups connected to the SONG partners or explicitly identified by the heads of the groups can become a SONG collaborator.

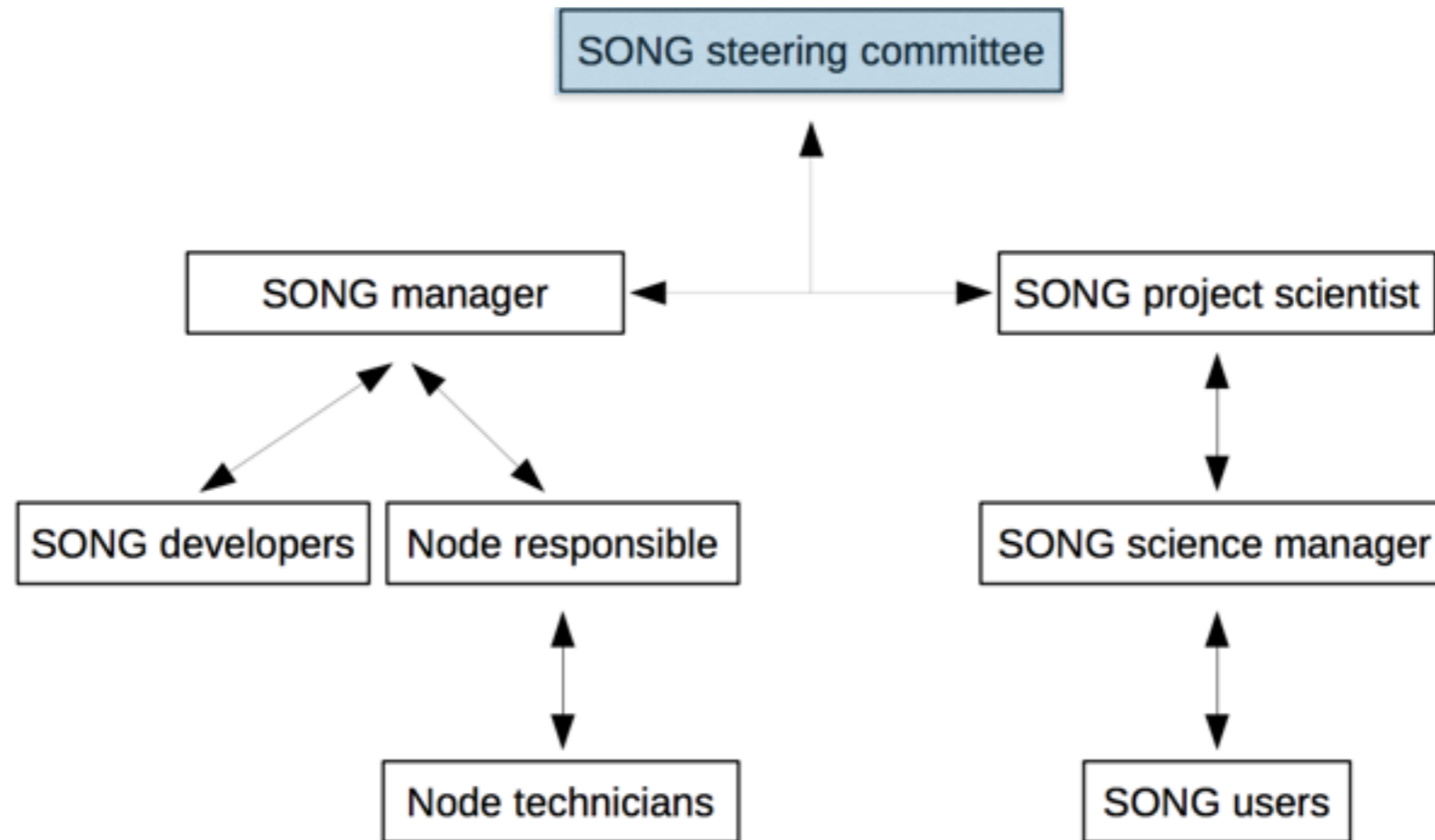
Network Structure



Network Structure



Network Structure



SONG Steering Committee (SSC) members

Joining SONG nodes will contribute to the SSC with an additional member.

Aarhus University, Denmark (Jørgen Christensen–Dalsgaard)

Copenhagen University, Denmark (Uffe Gråe Jørgensen)

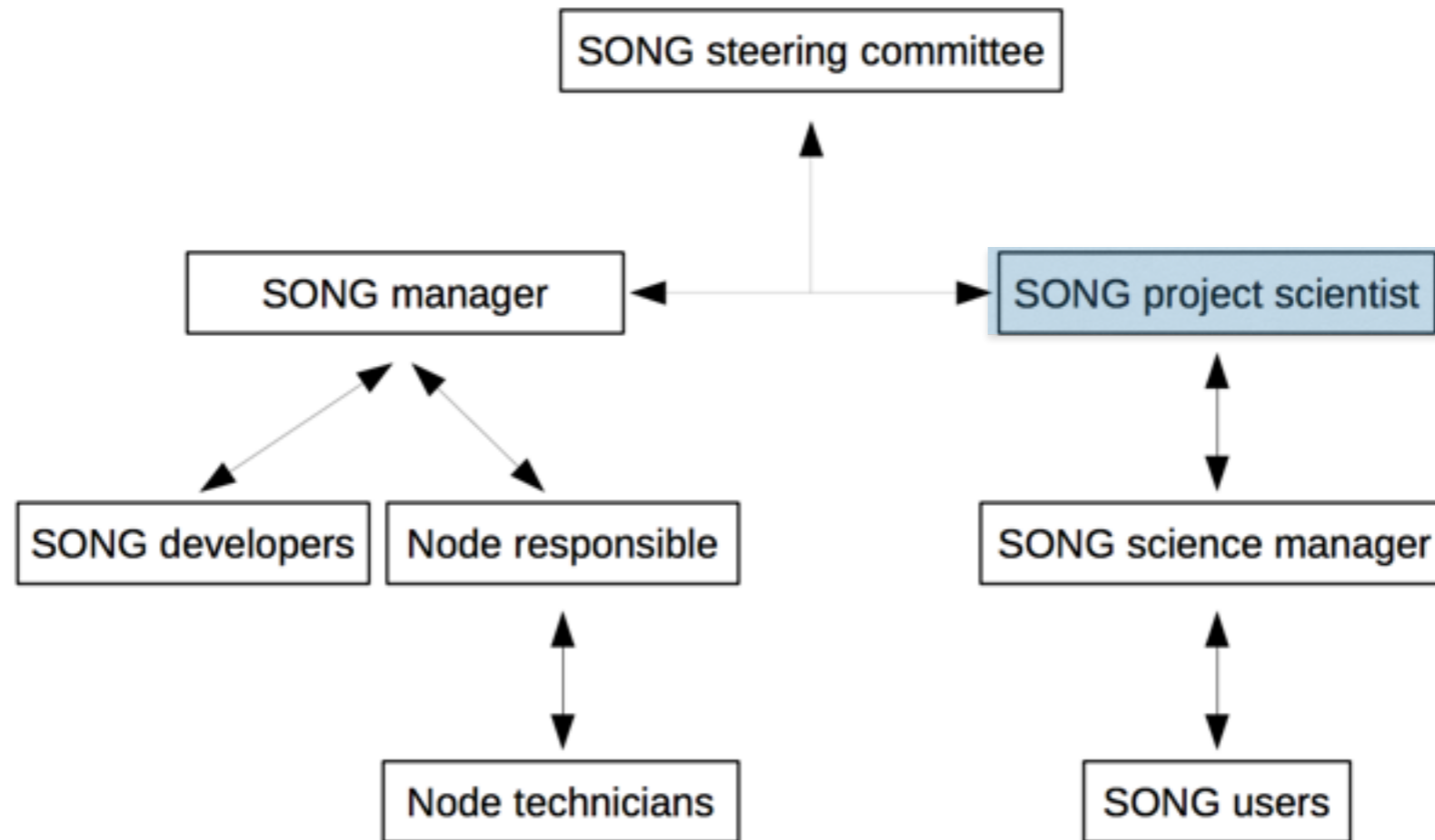
Instituto de Astrofísica de Canarias, Spain (Pere L. Pallé)

National Astronomical Observatories, China (Licai Deng)

Responsibilities:

- Financial matters
- Policies

Network Structure



SONG project scientist: Frank Grundahl

SONG manager: Mads Fredslund Andersen

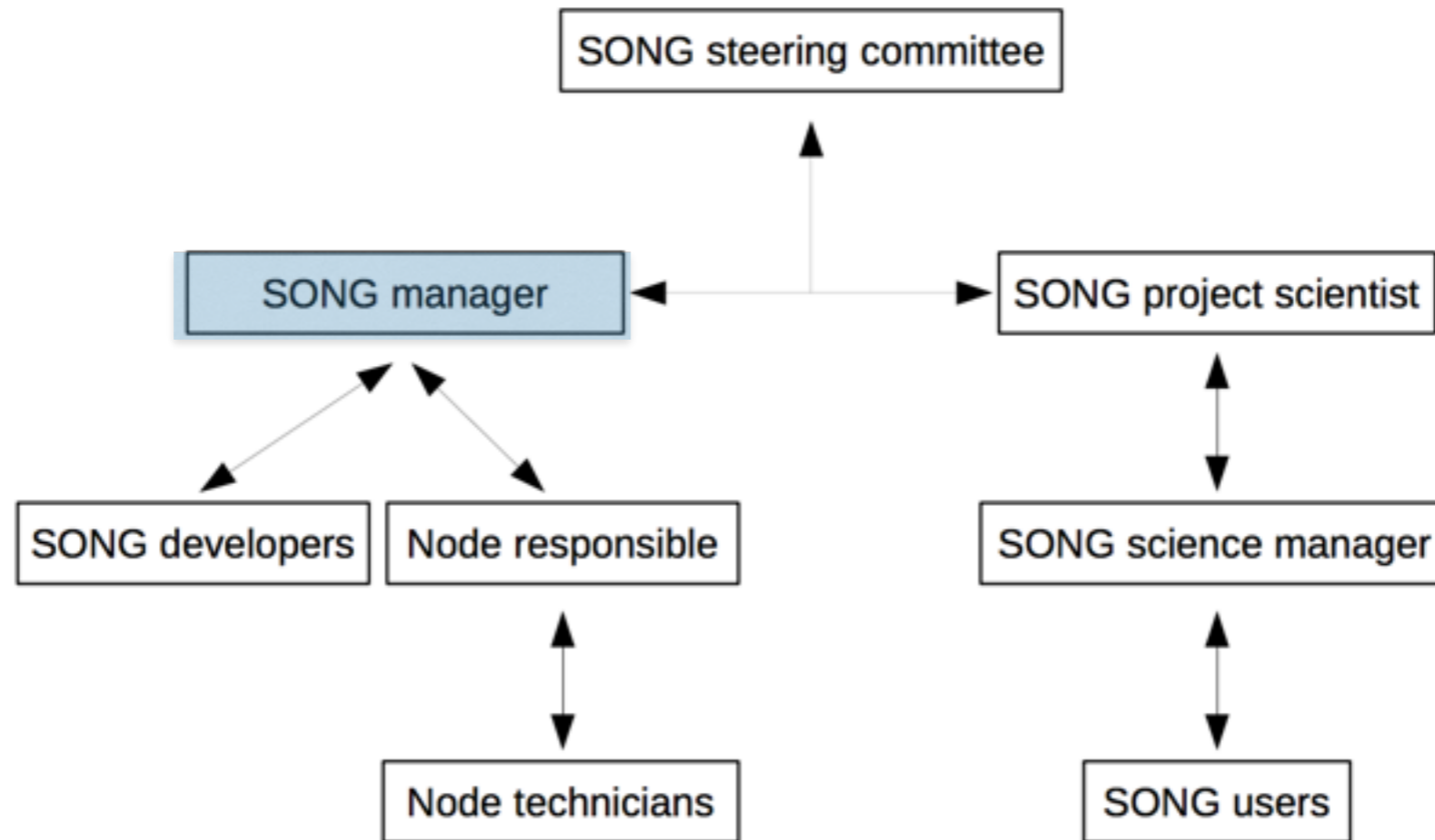
SONG science manager: Victoria Antoci

SONG financial responsible: Hans Kjeldsen

Responsibilities:

- Instrument design
- Data quality assessment
- Data availability
- Observing time allocation

Network Structure



SONG project scientist: Frank Grundahl

SONG manager: Mads Fredslund Andersen

SONG science manager: Victoria Antoci

SONG financial responsible: Hans Kjeldsen

Responsibilities:

- Daily operations including software and hardware of the entire network
- Software development and integration
- Maintenance coordination



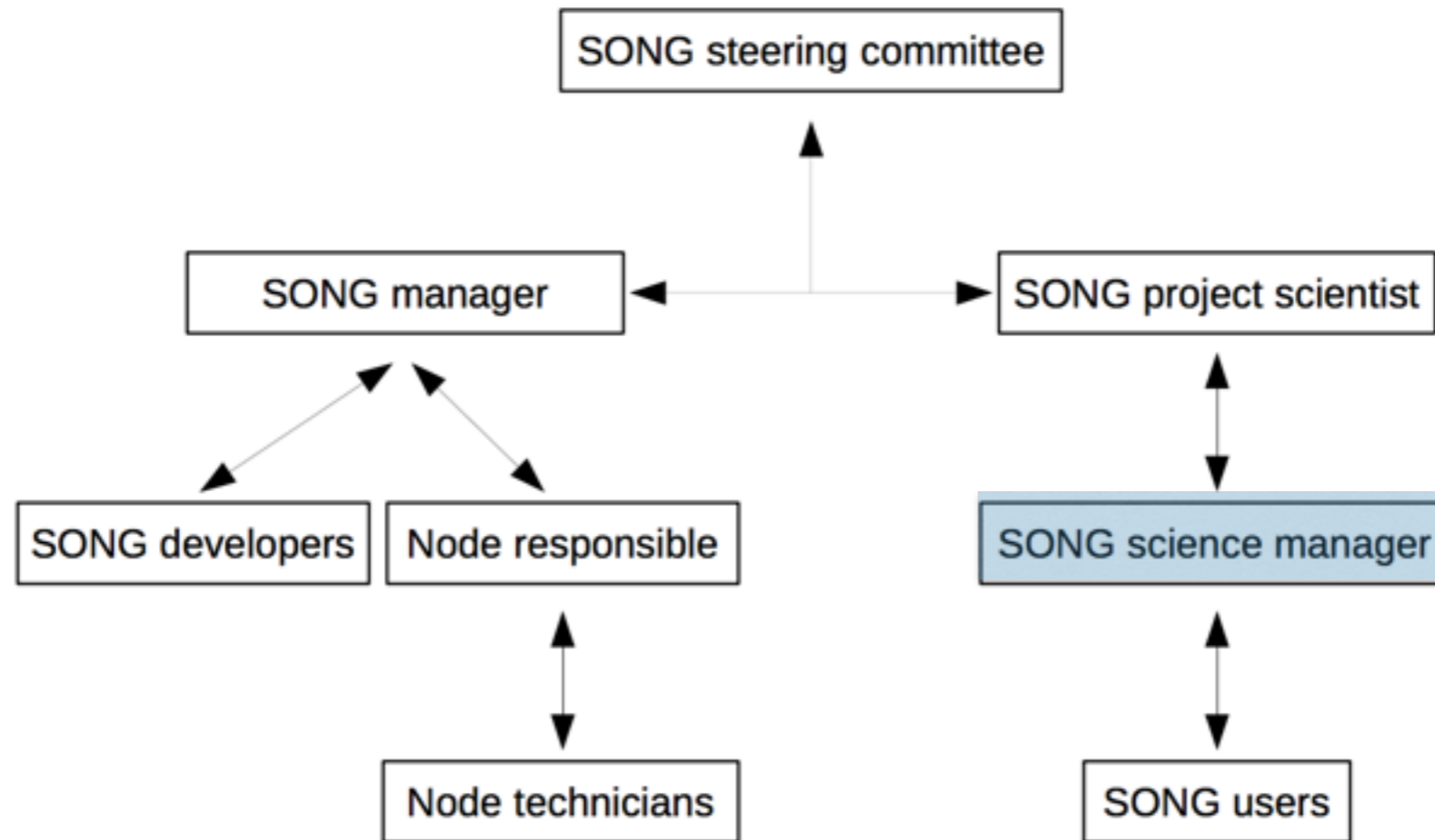
BOO!

AAARGH!

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Mehan

Network Structure



SONG project scientist: Frank Grundahl

SONG manager: Mads Fredslund Andersen

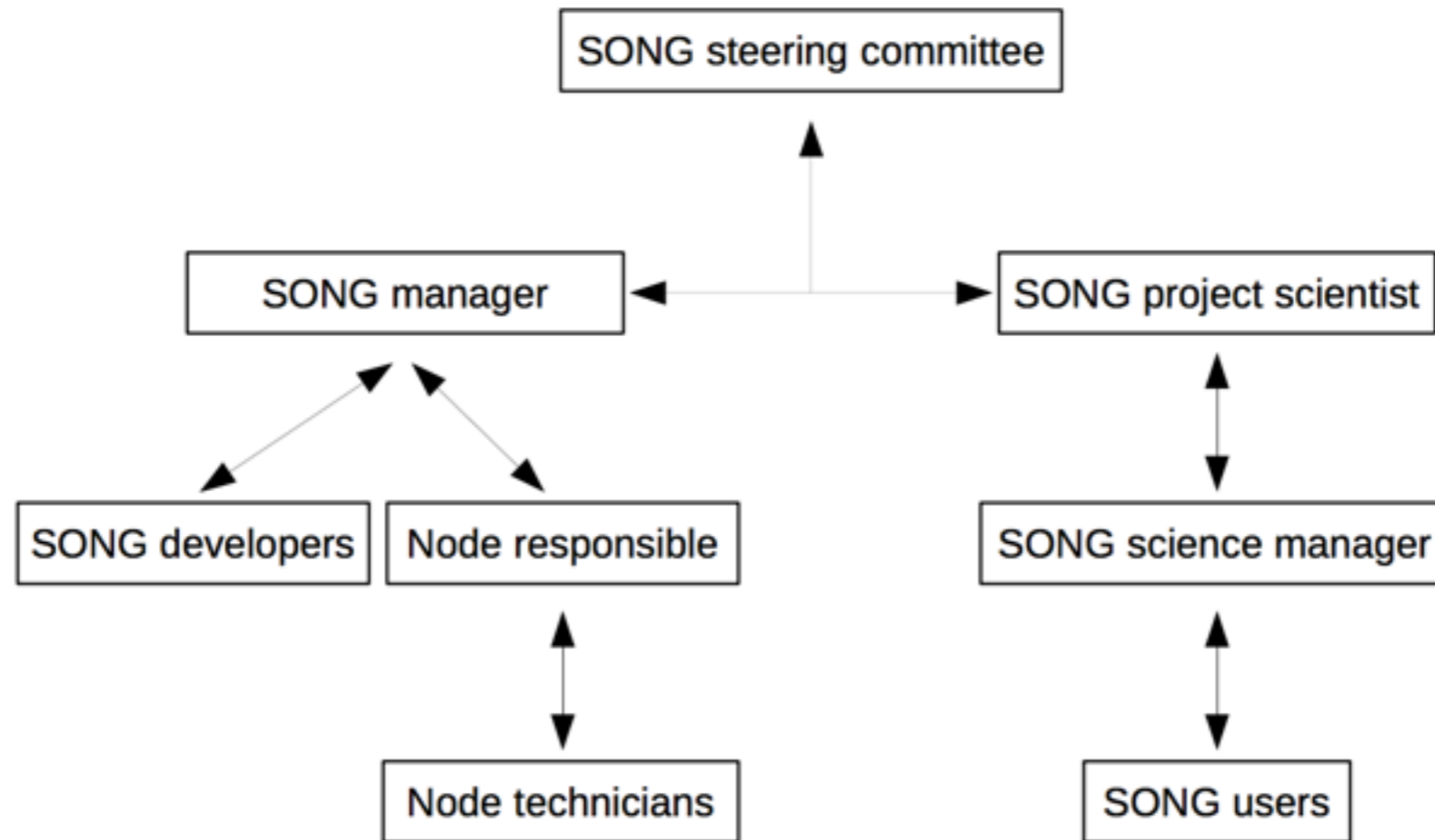
SONG science manager: Victoria Antoci

SONG financial responsible: Hans Kjeldsen

Responsibilities:

- Time Allocation Committee
- Science Management

Network Structure



SONG project scientist: Frank Grundahl

SONG manager: Mads Fredslund Andersen

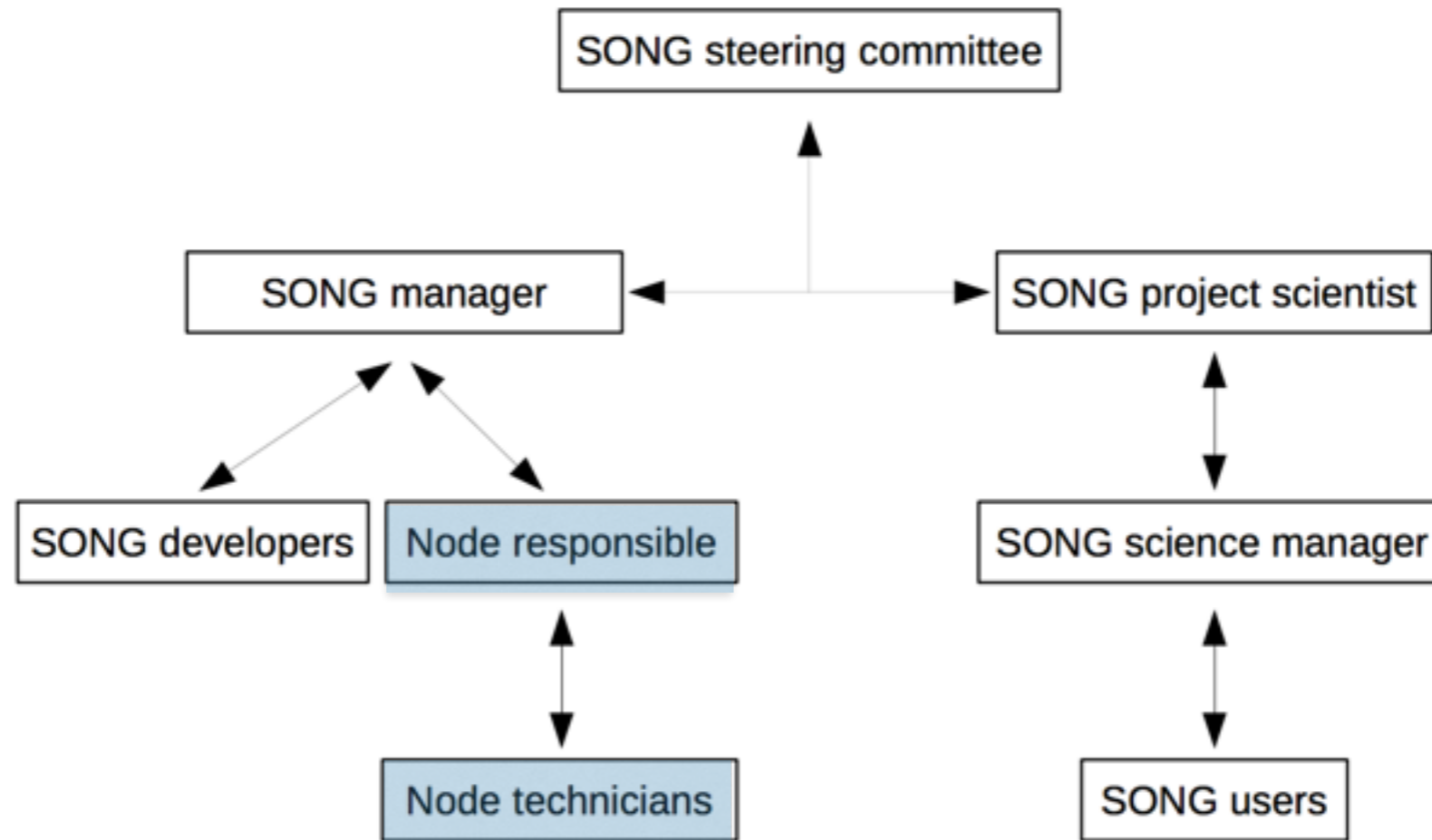
SONG science manager: Victoria Antoci

SONG financial responsible: Hans Kjeldsen

Responsibilities:

- Money, money, money

Network Structure



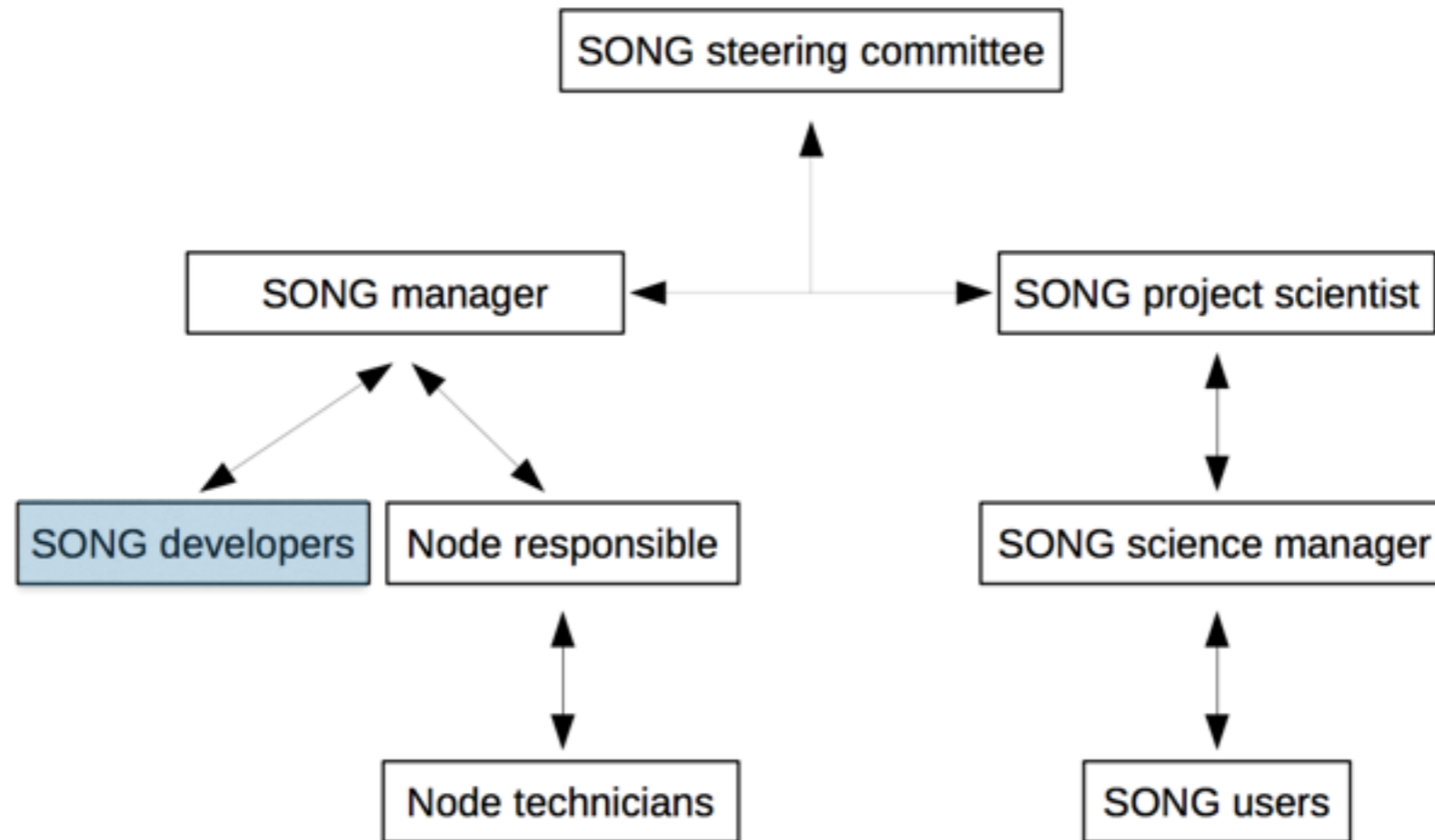
SONG partner & node responsible, Tenerife: Pere L. Pallé

SONG partner & node responsible, Delingha: Licai Deng

Responsibilities:

- Local on site maintenance
- Site coordination
- Communication with the SONG manager

Network Structure



SONG developer: Eric Weiss

SODA software developer: Rasmus Handberg

SONG developer: Anton Norup Sørensen

SONG software developer: Jens Jessen-Hansen

SONG scientist: Søren Frandsen

Responsibilities:

- Software development
- Database and network setup

Who can apply?

The SONG network is not open to the entire astronomical community. Observing proposals submitted to SONG need to be led by a SONG collaborator. Proposals for observations with SONG are invited **twice a year**.

New application procedure from observing Period 09 (all will be done via SODA).

Who decides how to become a SONG collaborator?

Aarhus University, Denmark (Jørgen Christensen–Dalsgaard)

Copenhagen University, Denmark (Uffe Gråe Jørgensen)

Instituto de Astrofísica de Canarias, Spain (Pere L. Pallé)

National Astronomical Observatories, China (Licai Deng)



Time Allocation Committee (TAC) members

Joining SONG nodes will contribute to the TAC with an additional member.

SONG science manager: Victoria Antoci (Chair)

AU: Hans Kjeldsen

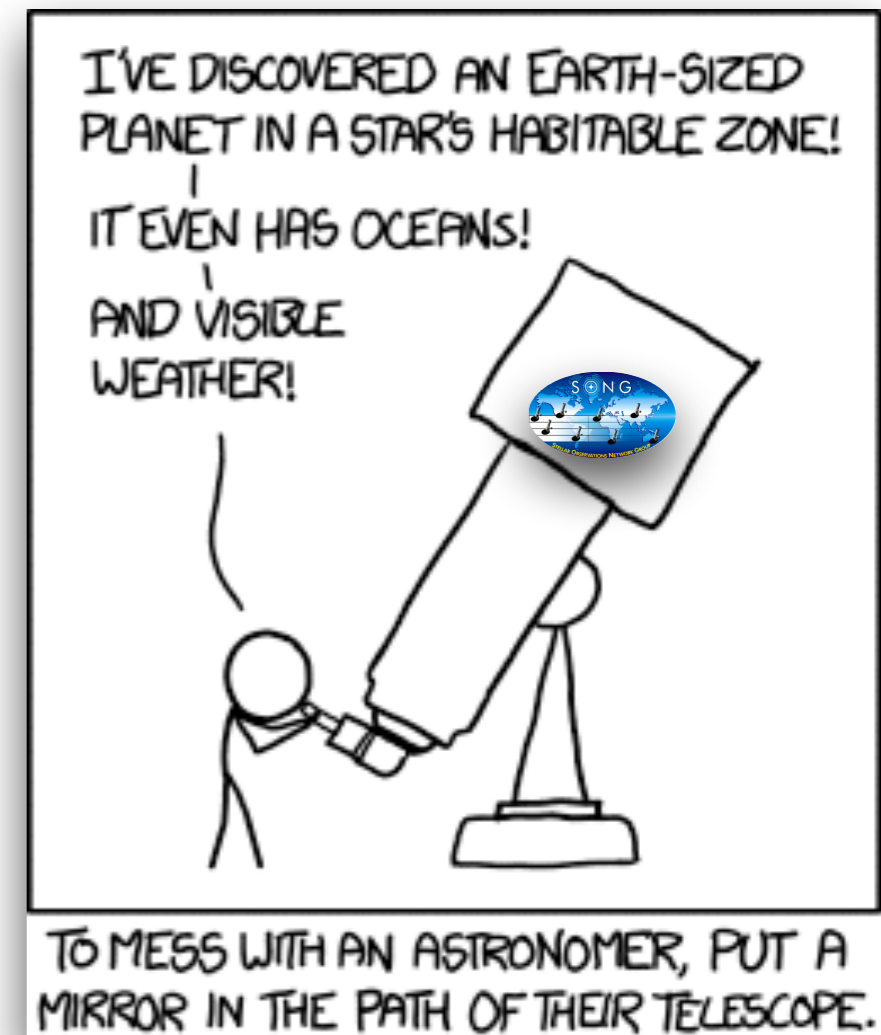
KU: Heidi Korhonen

IAC: Sergio Simon Diaz

External: Tom Barclay (NASA)

SONG manager: Mads Fredslund Andersen (observer)

SONG project scientist: Frank Grundahl (observer)



A bit more than 4 years ago...



Time allocation policy

The TAC will rank SONG observing proposals prioritising the SONG goals. The decision will be based on scientific merit, but ultimately the TAC will take into account the SONG policies decided by the SSC. The SONG project scientist will allocate the SONG observing time based on the prioritised list of proposals delivered by the TAC.

SONG Discretionary Time

SONG discretionary time allows for observations of high impact science proposals, without waiting for the next application period. The SONG management team will get the application and take the decision together with the SONG science manager based on the scientific merit and the impact on the projects allocated by the SONG TAC.



Data and Publication policy

- proprietary to the PI for a period from zero to maximum one year -> we encourage PIs to keep the proprietary time as short as possible.
- The one-year period starts at the end of each observing period. Following the expiration of this period, the data will become public and accessible through the SONG Data Archive (SODA) to all SODA members.
- Proposals extended over several periods will have the proprietary time adjusted accordingly.
- The proprietary period may be extended or reduced in exceptional circumstances on request, at the SONG science manager's discretion (e.g. PhD projects).
- Data will be released and made public at the time of publication of results based on the data (including publication on arXiv), even if this is before the original proprietary period.
- PIs will be able to adjust the proprietary time of each proposal via SODA.

New publication policies!

Each SONG publication **must be submitted through a dedicated web form on the SODA web page to be evaluated by the SONG publication review panel.** The panel will as a minimum consist of:

- Each SSC member
- Each SONG node responsible
- The SONG project scientist
- The SONG manager
- The SONG science manager



‘Based on observations made with the Hertzprung SONG telescope operated on the Spanish Observatorio del Teide on the island of Tenerife by the Aarhus and Copenhagen Universities and by the Instituto de Astrofísica de Canarias.’

OR

‘Based on observations made with the SONG telescopes operated on the Spanish Observatorio del Teide (Tenerife) and at the Chinese Delingha Observatory (Qinghai) by the Aarhus and Copenhagen Universities, by the Instituto de Astrofísica de Canarias and by the National Astronomical Observatories of China.’



- **Key publication**

All *SONG* team members should be offered co-authorship.

- **Normal publication**

Co-authorship is offered to the node responsible from the SONG node(s) where data have been collected and to the SONG team members who have made a substantial contribution to the collection of data used in the specific paper. The review panel might also select other relevant SONG team members who should be offered co-authorship.

- **Minor SONG contribution publication**

The author will be asked to consider relevant SONG team members as co-authors but it is not a requirement.

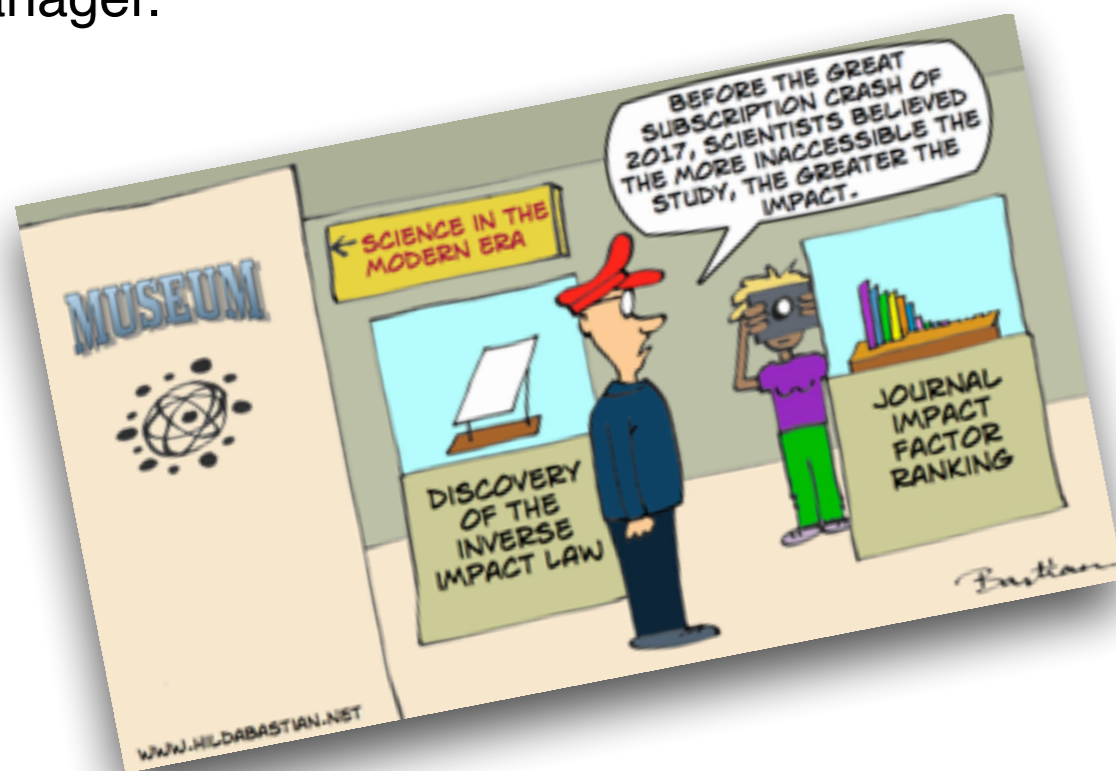
SODA is open to the entire astronomical community and all SODA members have unrestricted access to all available data products after the proprietary period of 12 months. Access is password controlled and data downloads are logged.

Public data - publication guidelines

Should be uploaded through SODA to the SONG publication review panel. The panel will check the acknowledgements, technical description of the SONG instruments and might provide the PI with a list of members from the SONG team to consider for co-authorship.

Special policies for (PhD) students

If a given data set is part of a (PhD) student's project the proprietary time of one year can be extended. This has to be stated clearly in the proposal and will ultimately be decided by the SONG science manager.



Need a poster template for SONG results?

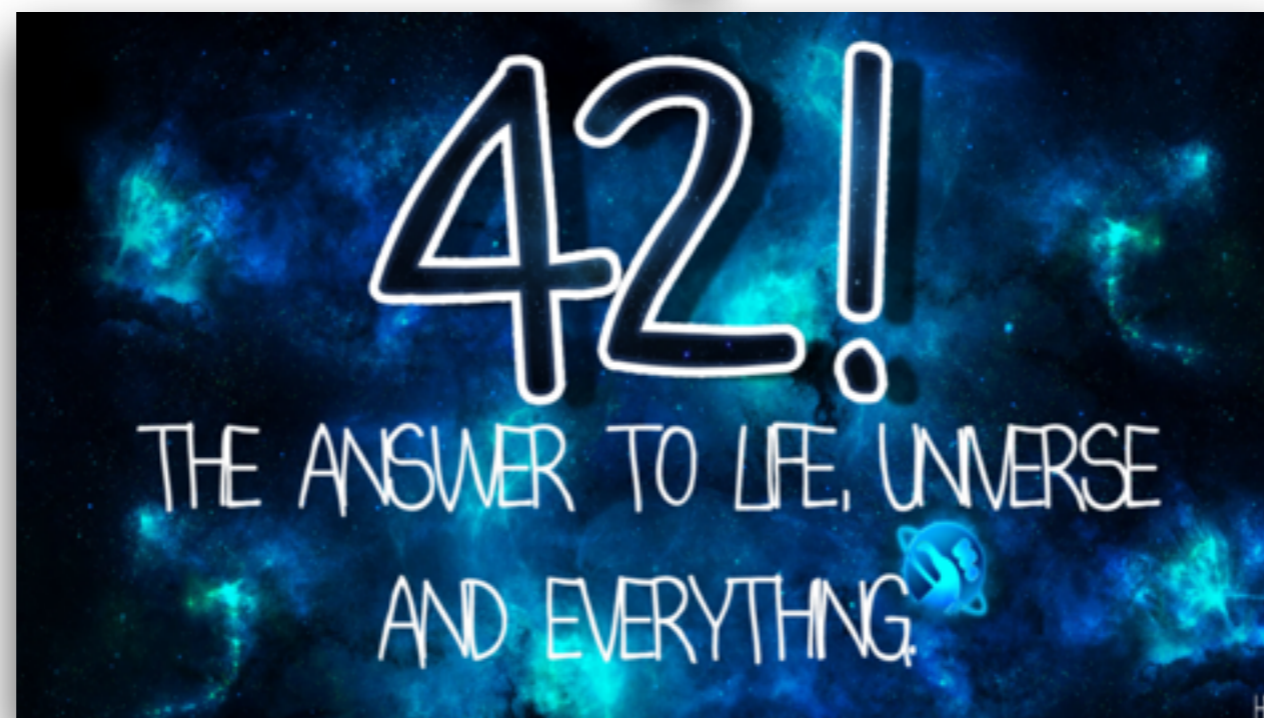
Should be soon on SODA or you can get it from me!



SONG 2018

1st workshop on Science with SONG: 4 more years

Tenerife, Spain, 23-26 October, 2018



Any questions?

