Political Status of NIKA II project

- Recall of proposed setup in the call for tender and status of board decisions
- SAC report 2012
- Following proposals (ANR, ERC, FOCUS), and their status.
- IRAMs situation (since June 2012)
- Possible remedies

Recall of proposed setup in the call for tender (what was the proposed deal ?)

- The project would have an accounting value of max 2MEu.

- The proposing consortium would be rewarded for their contribution with up to 1 MEu equivalent guaranteed observing time at a rate of 1kEu/scheduled observing hour.

- IRAM would come up with 1 MEu cash for investments and participate or take care of software dev, optics design, commissioning, detector dev and fab.

Board decisions:

-Nov. 11 IRAM SAC supports proposal of NIKA consortium.

-Dec 11 IRAM Council supports proposal of NIKA consortium with some remarks on organization.

SAC report 2012

- After NOEMA, NIKA II was given 2nd highest priority.

- Specification prios are : 1) Sensitivity – 2) Polar – 3)FOV
4) 0.8mm

- SAC requests a more detailed “roadmap” how to achieve the sensitivity goal.

- Management structure should be improved in
-work break down
-definition of partner interfaces and interaction

Following proposals (ANR, ERC, FOCUS), and their status.

- ANR blanche - Neel- LPSC- IAS-IPAG 900 kEu –mainly innvest
  successful
- ERC Syn. -IRAM-Neel-LPSC-IAS 5.4 MEu -mainly mpower
  unsuccessful
- FOCUS -IPAG-Neel-IRAM-LPSC-a.o. poss -3 Postdoc + tech

  successful

Another EU ERC project is said to have generated 500 kEU for CEA to support Polarimetry (breakdown unclear).

IRAMs Situation (since June 2012)

- All IRAM partners (CNRS, MPG, IGN) do have great financial difficulties and face budget cuts which are at least partially propagated also to IRAM.

- IRAM faces supplementary financial risks in ongoing projects.

On this grounds, the IRAM administration council has asked for a stop of all internal investments for instrument building others than for NOEMA. The council also asked to come up with a personal plan which foresees cost reduction.
=> A)
This means for the time being IRAM is unable to generate complete investments as foreseen for the NIKA project (mainly electronics)
$\Rightarrow$ B)
We must rearrange project investment timeline and investment sources to adapt for this new situation.

Possible Remedies

- Downsize non-critical items to redirect money to cryo.

- Swap money between IRAM and consortium to allow IRAM "payback" later

- Delay project until IRAM gets cleared investment path (12-24 months)

- IRAM (+ ev consortium) seek new funds for invest

- Seek for additional partners in consortium and increase rewarded time

IRAMs Part of work:

- Project coordination between Consortium and IRAM
- Instrument Optics design
- Preparation of Telescope and Telescope control
- Detector development
- High level data taking and astronomy Software
- Eventually - participation in RF design
- Participation in commissioning
- Operation after commissioning period

Organizational Demands

Lets call all participants except IRAM “the consortium”
Lets call IRAM – “IRAM”
Lets call the consortium and IRAM the “project participants”

- Reconfirm the PI and identify on reporting consortium person
- Organize project in work packages
- Define regular meeting (incl wikied summary notes) for work packages and project participants.
- Identify wp leaders and wp participants
- Define a schedule with technical milestones
- Identify a consortium administration interface who can report on simple things like achievement of miles stones and spent budget.

Sign a MOU between IRAM and Consortium beginning of 2013

- **What we want:**

-A world class instrument which is worth the effort and which will stay top for the 10-years after installation
-a clear procedure to accept instrument design against environmental constraints – before building !!! including things like scan speed, energy, space, EMI, vibrations etc…
-A regular comprehensive reporting to IRAM and its bodies.
-A structured and well thought through science plan for the guaranteed time – which can pass the IRAM TAC.
- A clear cut data calibration structure
-A full understanding of the 3 dominant instrumental noise contributions
-A data simulator including a detector model

- **What we don't want:**

-A lot of options or extra specifications which reduce sensitivity
-A huge untested instrument pressing for installation
-An instrument which kind of works but is not maintainable
-Unclear responsibilities if problems occur
-An undefined time line or uncontrolled costs
-A fighting consortium – be clear of everybodies role and reward.
-A des-integrating consortium