

## Roadmap process

### Phase I

**Phase I of the Roadmap process is the final stage in the production of a Roadmap by the ApPEC Peer Review Committee. The PRC has developed its Roadmap draft in a series of meetings and consultations from 2003 onwards. Publication of the Phase 1 Roadmap is expected in January 2007.**

1. The current draft of the PRC Roadmap (Oct19-2006 version) is available at <http://indico.cern.ch/event/6788> and at,

<http://www.ifh.de/~csspier/Roadmap-oct19.doc>

<http://www.ifh.de/~csspier/Roadmap-oct19.pdf>

2. There will be a public presentation of the Roadmap by Christian Spiering (ApPEC PRC Chair) in a Workshop in Valencia on 7/8 November 2006. It is intended that the presentation of the Roadmap draft and first discussions in the presence of a wider community will be through 7 thematic groups:

- Dark matter: conveners: **N. Smith, G. Gerbier**
- Double beta: conveners: **F. Piquemal , A. Giuliani**
- High energy neutrino: conveners: **U. Katz, P. Lipari**
- High energy cosmic rays: convener: **R. Engel**
- Gamma rays : convener: **M. Martinez**
- Low energy neutrino and proton decay: convener: **A. Rubbia**
- Gravitational Waves: convener: **H. Lueck**

3. The Thematic groups will provide the first feedback on the draft Roadmap and continue to do so through to the end of 2006 prior to publication of the Phase 1 (PRC) Roadmap document in January 2007.

### Phase II (the ASPERA Roadmap)

4. Phases II and (III) build on the PRC Roadmap to produce a more detailed ASPERA Roadmap. ASPERA is an ERANET activity initiated by ApPEC and funded by FP6.

5. It is intended that the Thematic groups should remain in existence throughout 2007 and enlarged to include as wide a consultation as possible. The groups will be asked to provide information on the resources (financial and human), timetabling, milestones and reviews and identify the necessary enabling R&D within the themes. The groups will be asked to prioritise topics within each of the thematic areas.

6. There will be a second Workshop in Amsterdam in September 2007 with further feedback culminating in a Phase II Roadmap document in January 2008.

### **Phase III**

7. There will be a further phase (III) to the consideration of the Roadmap which is likely to involve some measure of prioritisation between broad thematic areas. The ApPEC Steering Committee could take the lead in this activity.

8. This will take place in the first part of 2008 and precise planning can only be in outline now but it should involve, for example, assessments between

- High energy cosmic rays (gamma, neutrino telescopes, charged cosmic rays)
- Gravitational waves
- Underground physics (neutrino mass and properties, proton decay, dark matter)

9. This might need some workshop activity with attendance to be defined in consultation with national funding agencies.

#### **The Deliverables by July 2008 should be**

- Roadmap with selected priorities (action plan)
- Definition of areas where common R&D calls could be launched
- Preparation of draft agreements for next phase large infrastructures