

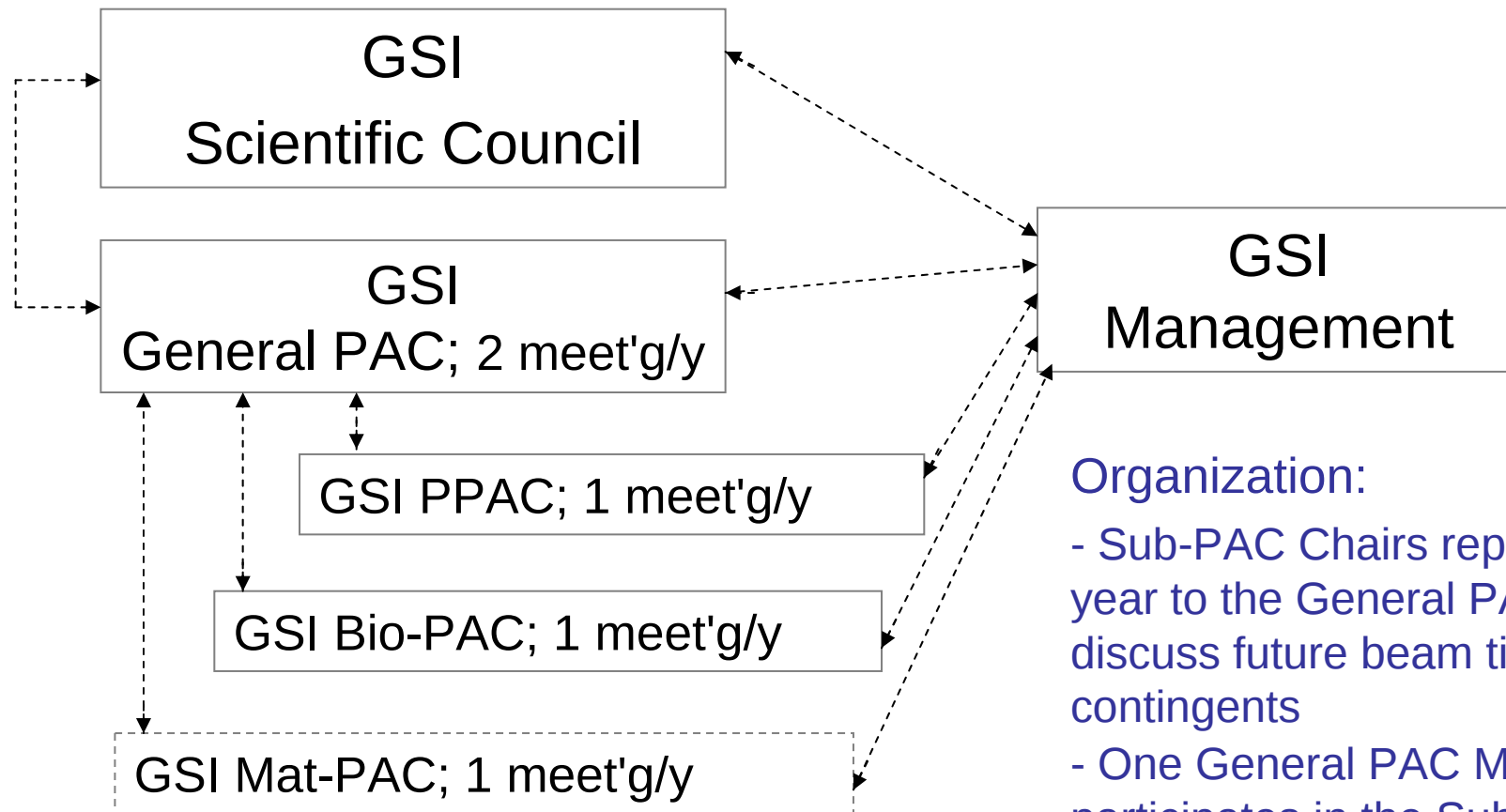


GSI PACs

-

Beam Time Situation

PAC Structure and Organization at GSI



Organization:

- Sub-PAC Chairs report once a year to the General PAC and discuss future beam time contingents
- One General PAC Member participates in the Sub-PAC meetings



General PAC (G-PAC)

General PAC (G-PAC)

Tasks: Overall Coordination of the PACs

Evaluation of Experiment Proposals from:

Hadron and Nuclear Physics

Atomic Physics

Detector Tests

Others

Phelix and Plasma Physics PAC (PPAC)

Tasks: Evaluation of Experiment Proposals from:

Plasma Physics with Intense Laser and Ion Beams

Biophysics PAC (Bio-PAC)

Tasks: Evaluation of Experiment Proposals from:

Biophysics

Radiation Biology

Ion Beam Therapy-related Research

Materials Research PAC (Mat-PAC)

Tasks: Evaluation of Experiment Proposals from:

Solid State Physics and Materials Research

Resumée from last G-PAC Meeting

- PACs will give a priority ranking of proposals based on scientific merit:
 - A: 'must' be done;
 - B: 'can' be done if time is available;
 - C: deferred;
 - D: rejected
- Recommendation of granted beam (priority A and B) time should not exceed the so-called annual 'quotas' for the research areas.
- Proposals older than 3 years with no beam time in the last 3 years are to be re-evaluated by the PACs, starting March 2008 (written declaration will be asked from proposals' spokespersons).

Proposed Beam Time Quotas at SIS

- Backlog at G-PAC34: 955 8h-shifts
 - Backlog extrapolated for end of 2007: 1050 shifts
 - Total Beamtime Offered: 360 shifts
 - Accel. Develop.: 40 shifts per year
 - **Allocation of 320 shifts per year for experiments**
 - **Annual Quotas:**
 - **HADES + FOPI: 120 shifts**
 - **Nucl. Structure & Astrophysics: 110 shifts**
 - **Atomic Physics: 15 shifts**
 - **Others: 5 shifts**
 - **Plasma Physics: 30 shifts**
 - **Biophysics + ESA: 30 shifts**
 - **Mat. Research: 5 shifts**
- | | | |
|--|---|---------|
| | } | G-PAC |
| | } | |
| | } | PPAC |
| | } | Bio-PAC |
| | } | Mat-PAC |

Proposed Beam Time Quotas at ESR

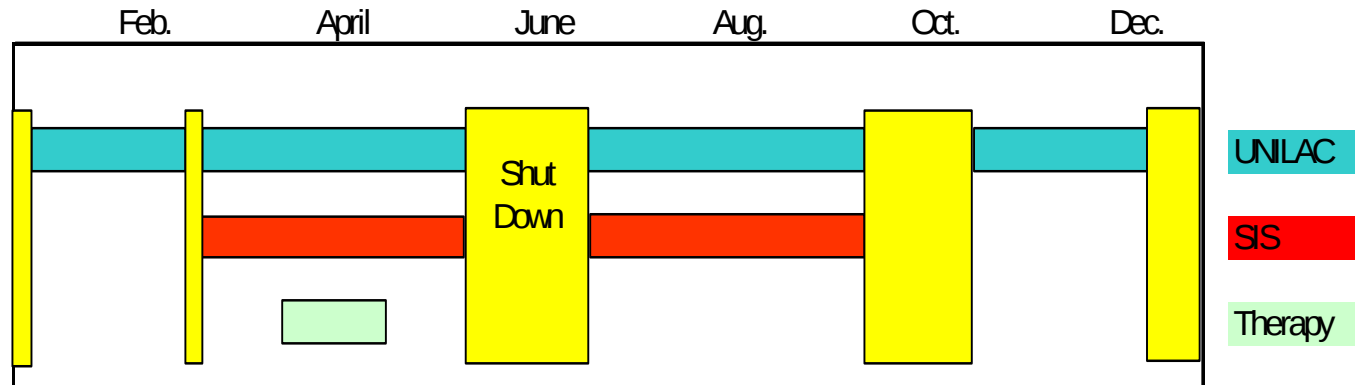
- Backlog at G-PAC34: 519 8h-shifts
- Backlog extrapolated for end of 2007: 480 shifts
- Total beamtime offered: 300 shifts per year
- Acceler. Develop./Tests: 30 shifts per year
- **Allocation of 270 shifts per year for experiments**
- **Annual Quotas:**
 - **Nucl. Struct. & Nucl. Astrophysics: 90 shifts**
 - **Atomphysik: 90 shifts**
 - **HITRAP: 90 shifts**

} G-PAC

Proposed Beam Time Quotas at UNILAC

- Backlog at G-PAC34: 705 8h-shifts
- Backlog extrapolated for end of 2007: 510 shifts
- Total Beamtime Offered: ca. 460 shifts per year
- Accelerator Development: 40 shifts per year
- **Allocation of 420 shifts per year for experiments**
- **Annual Quotas:**
 - **Heavy Elements plus Atomic Physics: 240 shifts** } G-PAC
 - **ISL plus GSI-Materials Research: 110 shifts** } Mat-PAC
 - **Plasma Physics: 45 shifts** } PPAC
 - **Biophysics: 25 shifts** } Bio-PAC

Beam Time Planning 2008



UNILAC: approx. 740 Shifts

SIS: approx. 450 Shifts

ESR: approx. 360 Shifts

Therapy and Accelerator Exp.: approx. 100 Shifts

in 2009: SIS-shutdown from Aug. to end 2009

Medium-term Beam Time Planning

- Starting in 2008 reduction of accelerator operations from 4 to 2 (longer) beamtime blocks at SIS/ESR. More and/or longer beamtime blocks at the UNILAC.
- SIS18 continues running for experiments until 2015.
- ESR can be operated until 2012/13.
- Dismantling of some areas after 2009 will lead to some short interruptions in accelerator operation.
- Caves A, B and C still under discussion.