test
Preparations of the IPY 2007-2008 in Poland

Jacek JANIA, and Piotr GŁOWACKI
COMMITTEE ON POLAR RESEARCH
POLISH ACADEMY OF SCIENCES

Project for preparation of the Polish scientific institutions for activity during 4 IPY 2007-2008

STRUCTURE, EVOLUTION AND DYNAMICS OF THE LITOSPHERE, CRYOSPHERE AND BIOSPHERE OF ARCTIC AND ANTARCTIC REGIONS

Supported by the State Committee for Science Research in 2004-2006

Warszawa, February 2004
1. International Geophysical Year 1882/1883
   (Polish political prisoners to Siberia exploring the Arctic)

2. Polar Year 1932/1933
   (Polish Expedition to Bear Island)

3. International Geophysical Year 1957/1958
   (Polish Expedition to Hornsund established Polish Polar Station in Spitsbergen)

Currently studied areas in the Arctic

- Spitsbergen
- Kola Peninsula
- Iceland
- Irkutsk (& Siberia)
- Poland
Polish Polar Station
after 2004

- room
- laboratory
- social room
- store
Polish Polar Station at Hornsund (Svalbard)

Facilities:
- Single bedrooms – 12
- Larger bedrooms – 7
  (30 places for seasonal groups)
- Laboratories – 10
- Kitchen
- Dining room
- Meeting room
- Bathrooms – 3
- W.C. – 4
- Garage and workshop
- Snow mobiles – 5
- Open boats – 2
- Zodiacs – 2
- Amphibians – 2
- Environmental pavilion – 1
- Geophysical pavilions – 2
Crew at the Station in the winter time:

- Meteorologist (1-2)
- Technician
- Electronic engineer
- Geophysicist (1-2)
- Electrician
- Environmental observer
The current research programmes:

- Structure of the Earth’s crust by seismic methods
- Geophysical fields
- Terrestrial cryosphere
  - permafrost
    (active layer thickness; physical and chemical processes)
  - glaciology
    glacier geometry changes,
    glacier dynamics (tidewater glaciers)
    hydro-thermal structure of glaciers
- snow cover on glaciers and land
  snow chemistry
  snow thickness distribution
- Climate changes and related processes
- Marine and terrestrial ecology
Thank you