

MEMBER COUNTRY: POLAND
National Report to SCAR for year: 2009

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3)	Maria Olech	Department of Polar Studies and Documentation, Institute of Botany, Jagiellonian University, 27 Kopernika st., 31-501 Kraków, Poland	(48-12) 421-02-77 ext. 26	(48-12) 423-09-49	olech@ib.uj.edu.pl	
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
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3)						
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ICESTAR						
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SALE						
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
ACTION GROUPS						
1)						
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insert others as needed						
EXPERT GROUPS						
1)						
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SCAR DATABASE						

**A BRIEF SUMMARY OF
SCIENTIFIC HIGHLIGHTS:**

Life Sciences

Long-term census of marine organisms and communities in an Antarctic fjord - Admiralty Bay of King George Island (South Shetland Islands). ABBED project (*A*dmiralty *B*ay *BE*nthos *D*atabase) - J. Siciński, project within the framework of *CAML* (K. Jażdżewski, J. Siciński, Dept. Polar Biol. & Oceanobiol., Univ.Łódź., cooperation: C. De Broyer (Bruxelles) and L. Campos (Rio de Janeiro).

SCAR-MarBIN (J. Siciński, M. Błażewicz-Paszkowycz, Dept. Polar Biol. & Oceanobiol., Univ.Łódź.)

CLICOPEN (Change and impact of climate induced glacial melting on marine coastal Communities off the Western Antarctic Peninsula, IPY-34). Impact of climate induced glacial melting on a gradient along Western Antarctic Peninsula. The response of terrestrial and marine biota on deglaciation is a main topic of investigations (leaders A. Tatur, M. Zdanowski, Department of Antarctic Biology, PAS).

ALIENS. (Aliens in Antarctica, IPY-170). Studies on organisms introduced by human beings and human equipment to Antarctica (leader K. Chwedorzewska, Department of Antarctic Biology, PAS).

Antarctic terrestrial biota - the diversity and ecology of lichens and mosses of West Antarctic and subantarctic islands - as a base for monitoring biological changes of West Antarctic and subantarctic islands - as a base for monitoring biological changes. EBA – SCAR's Scientific Research Programme (A. Olech, Jagiellonian Univ., Kraków and R. Ochyra, Inst.Botany, PAS, Kraków).

AMES (Antarctic Marine Ecosystem Studies, IPY-131). Integrated circumpolar studies of Antarctic marine ecosystems to the conservation of living resources. Monitoring of penguins and seals and the influence of coastal upwelling on near shore marine productivity (A. Tatur, Department of Antarctic Biology, PAS).

ATMOPOL (POLARCAT) (Atmospheric monitoring network for anthropogenic pollution in polar regions, IPY-12). Monitoring of glaciers is included in the project (A. Tatur, Department of Antarctic Biology, PAS).

Geosciences

ACE (Antarctic climate evolution, IPY-154). Reconstruction of climatic changes on King George Island (Souths Shetlands) during the past 50 million years. ACE – SCAR's Scientific Research Programme. K. Birkenmajer (Institute of Geological Sciences, PAS, Kraków), K. P. Krajewski, P. Bylina, G. Zieliński (Institute of Geological Sciences, PAS, Warszawa), A. Gaździcki, W. Majewski (Institute of Paleobiology, PAS), and A. Tatur (Department of Antarctic Biology, PAS), J. Nawrocki, M. Pańczyk (Polish Geological Institute, Warszawa), K. Delura (Warsaw University), Z. Pecskey (Debrecen, Hungary).

ACE (Antarctic climate evolution, IPY-154). Cenozoic glaciations and biota evolution: evidence from West Antarctica. ACE – SCAR's Scientific Research Programme. A. Gaździcki, W. Majewski (Institute of Paleobiology, PAS) in cooperation with P. Jadwiszczak (University of Białystok), A. Tatur (Department of Antarctic Biology, PAS) and A. Uchman (Jagiellonian Univ., Kraków)

ARANDES (Arctic and Antarctic denudation system under climatic changes and human impact). A. Kostrzewski (UAM, Poznań) . Cooperation with K. Pękala (UMCS, Lublin), M. Grześ (UMK, Toruń), C. Dominguez (University of Salamanca, Spain), A. Eraso (University of Madrid, Spain), D. Mercier (Univ. Sorbonne, France).

Benthic foraminifera from West Antarctica; their molecular and paleoclimatic implications. W. Majewski (Institute of Paleobiology, PAS) in cooperation with J. B. Anderson (Rice University, Houston), J. Pawłowski (University of Geneva) and A. Tatur (Department of Antarctic Biology, PAS).

Seismic investigations of the crustal structure of the South Shetland Islands, West Antarctica. A. Guterch (Institute of Geophysics, PAS) and M. Grad (Warsaw University).