

**MEMBER COUNTRY: POLAND**  
**National Report to SCAR for**  
**year: 2008**

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<b>2) Alternate Delegate</b>	Krzysztof Ja_d_ewski	Laboratory of Polar Biology and Oceanobiology, University of _ód_, 12/16 Banacha st., 90-237 _ód_, Poland	(48-42) 635-42-97	(48-42) 635-46-64	kryjaz@biol.uni.lodz.pl	www.biol.uni.lodz.pl/~kzbih/o_nas.htm
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<b>Life Sciences</b>						
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<b>3)</b>	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	
<b>4)</b>	Jacek Sici_ski	Laboratory of Polar Biology and Oceanobiology, University of _ód_, 12/16 Banacha st., 90-237 _ód_, Poland	(48-42) 635-42-92	(48-42) 635-46-64	sicinski@biol.uni.lodz.pl	www.biol.uni.lodz.pl/~kzbih/o_nas.htm
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1)						
2)						
3)						
4)						
<b>EBA</b>						
1)	Krzysztof Ja_d_ewski	Laboratory of Polar Biology and Oceanobiology, University of _ód_, 12/16 Banacha st., 90-237 _ód_, Poland	(48-42) 635-44-45	(48-42) 635-46-64	kryjaz@biol.uni.lodz.pl	www.biol.uni.lodz.pl/~kzbih/o_nas.htm
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3)						
4)						
<b>ICESTAR</b>						
1)						
2)						
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<b>SALE</b>						
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
<b>ACTION GROUPS</b>						
1) 2) 3) 4) insert others as needed						
<b>EXPERT GROUPS</b>						
1) 2) 3) 4) insert others as needed						
<b>JCADM</b>						
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<b>NATIONAL ANTARCTIC DATA CENTRE</b>						
Department of Antarctic Biology, 10 Ustrzycka st., 02-141 Warszawa, Poland			(48-22) 846 33 83	(48-42) 846-19-12	<a href="mailto:profesor@dab.waw.pl">profesor@dab.waw.pl</a>	<a href="http://www.dab.waw.pl">www.dab.waw.pl</a>
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	<a href="mailto:olech@ib.uj.edu.pl">olech@ib.uj.edu.pl</a>	
<b>SCAR DATABASE</b>						
insert name of database for which your country has responsibility						

**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). ABED project (\*A\*dmiralty \*B\*ay \*BE\*nthos \*D\*atabase) - J. Sici\_ski, project within the framework of \*CAML\* (K. Ja\_d\_ewski, J. Sici\_ski, Dept. Polar Biol.& Oceanobiol., Univ.\_ód\_, cooperation: C. De Broyer (Bruxelles) and L. Campos (Rio de Janeiro).

\*SCAR-MarBIN\* (J. Sici\_ski, M. B\_a\_ewicz-Paszkowycz, Dept. Polar Biol.& Oceanobiol., Univ.\_ód\_)

CLICOPEN - 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). Studies on organisms introduced by human beings and human equipment to Antarctica (leaders K. Chwedorzewska, Department of Antarctic Biology, PAS, A. Olech, Jagiellonian Univ., Kraków).

Antarctic terrestrial biota - the diversity and ecology of lichens and mosses 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). 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 (Atmospheric monitoring network for anthropogenic pollution in polar regions). Monitoring of glaciers is included in the project (A. Tatur, Department of Antarctic Biology, PAS).

**Geosciences**

Reconstruction of climatic changes in West Antarctica 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. Zieli\_ski (Institute of Geological Sciences, PAS, Warszawa), A. Ga\_d\_zicki, W. Majewski (Institute of Paleobiology, PAS), and A. Tatur (Department of Antarctic Biology, PAS), J. Nawrocki, M. Pa\_czyk (Polish Geological Institute, Warszawa), K. Delura (Warsaw University), Z. Pecskay (Debrecen, Hungary).

Cenozoic glaciations and biota evolution: evidence from West Antarctica. ACE – SCAR's Scientific Research Programme. A. Ga\_d\_zicki, W. Majewski (Institute of Paleobiology, PAS) in cooperation with P. Jadwiszczak (University of Bia\_ystok), A. Tatur (Department of Antarctic Biology, PAS) and A. Uchman (Jagiellonian Univ., Kraków)

Benthic foraminifera from Antarctic Peninsula; their molecular and paleoclimatic implications. The goal of the study is to increase knowledge on benthic foraminifera inhabiting West Antarctic fjords and to analyze in detail some late Cenozoic sections from South Shetland Islands and northern Antarctic Peninsula (Firth of Tay, SHALDRIL). ACE – SCAR's Scientific Research Programme. W. Majewski (Institute of Paleobiology, PAS) in cooperation with J. B. Anderson (Rice University, Houston), J. Pawlowski University of Geneve) and A. Tatur (Department of Antarctic Biology, PAS).

\*ARANDES \*(A\*rtic and A\*ntarctic \*DE\*nudation \*S\*ystem under climatic changes and human impact). A. Kostrzewski (UAM, Pozna\_) . Cooperation with K. P\_kala (UMCS, Lublin), M. Grze\_ (UMK, Toru\_), C. Dominguez (University of Salamanca, Spain), A. Eraso (University of Madrid, Spain), D. Mercier (Univ. Sorbonne, France).

Elaboration of crustal structure and lower lithosphere in the northern part of Antarctic Peninsula. A. Guterch (Institute of Geophysics, PAS) and M. Grad (Warsaw University).

Determination of tectonophysical properties of main lithospheric plates of West Antarctic as a base for geodynamic models. A. Guterch (Institute of Geophysics, PAS) and M. Grad (Warsaw University).