



glacial isostatic adjustment (GIA) school
— krótkie sprawozdanie — Marcin Rajner



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13 IX - 20 IX 2015

Ohio State University,

Wyspa Gibraltar na jeziorze Erie



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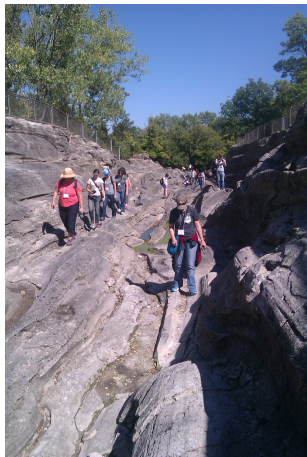
NSF INFLUENCE ON CRYOSPHERIC EVOLU

P^{OL}ENET

interdyscyplinarny charakter szkoły

- geodezja (kształt Ziemi, pole siły ciężkości, ruch obrotowy Ziemi)
- geofizyka
- geomorfologia
- geologia
- zmiany poziomu morza
- glaciologia

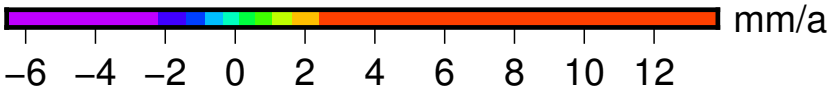
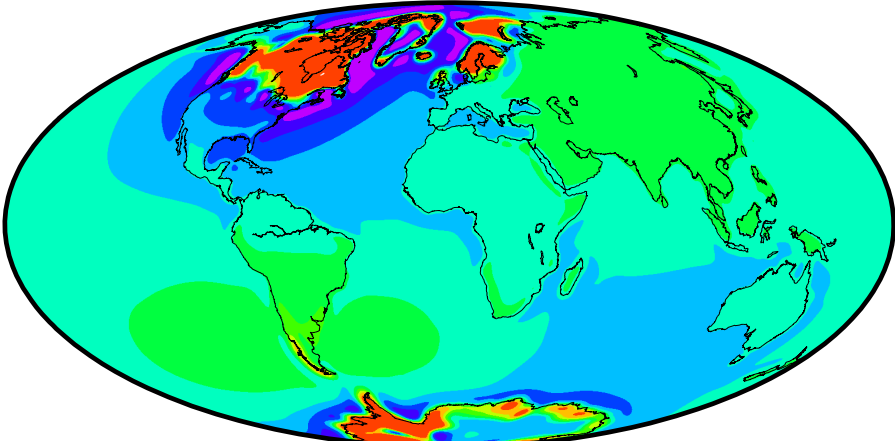
obecne i historyczne efekty



Doug

Wiens

01	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
02	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
03	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
04	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
05	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
06	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
07	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
08	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
09	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
10	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
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14	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
15	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
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17	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
18	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
19	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00
20	12	12/20/2009	12/20/2009 12:00:00	12/20/2009 12:00:00



zmiany wysokości

-6 -4 -2 0 2 4 6 8 10 12

zmiany wysokości $|r| \geq 1$

POLENET/SCAR-SERCE GIA Training School Lec
14-18 September, 2015 Gibraltar Island, Lake Er

Lecture Session 7: Records used to reconstruct ice sheet history (Mike

<http://carmenconnect.osu.edu/p8y7p2wzcnf/>

Lecture Session 8: Generating ice history models (Pippa Whitehouse :

<http://carmenconnect.osu.edu/p656tvzpluw/>

Lecture Session 1: Historical Background – Glacial Isostatic Adjustm
Mike Bentley, Holger Steffen)

<http://carmenconnect.osu.edu/p85126v13s3/>

Lecture Session 2: Introduction to records of GIA and sea level chang
gravity (Pippa Whitehouse, Erik Ivins, Holger Steffen)

<http://carmenconnect.osu.edu/p6vylzk69blh/>

Lecture Session 3: Introduction to seismology, seismic discontinuities
properties (Doug Wiens)

Lecture: <http://carmenconnect.osu.edu/p6h8p9t0uq9/>

Introduction to SEATREE: <http://carmenconnect.osu.edu/p8iyz5jnfwj/>

Lecture Session 4: Lithosphere: tectonic history of Antarctica and how
properties (Ian Dalziel and Terry Wilson)

<http://carmenconnect.osu.edu/p7n2hq1fmbj/>

Lecture Session 5: Basics of GIA modelling techniques (Wouter van d
Spada)

<http://carmenconnect.osu.edu/p9llx28ef7/>

Lecture Session 6: Introduction to Computer Exercises (Giorgio Spada)

SELEN part 1: <http://carmenconnect.osu.edu/p5i5dasrqmp/>

SELEN part 2: <http://carmenconnect.osu.edu/p84fs0iorkn/>

SELEN part 3: <http://carmenconnect.osu.edu/p3uyak7g2q3/>

Lecture Session 9: Rheology, including lateral variation, interpretatio
(Doug Wiens), results from laboratory experiments and conversion equ
finite-element/finite volume modelling (Wouter van der Wal)

<http://carmenconnect.osu.edu/p5mei0x477e/>

Lecture session 10: GIA reference frames and comparison of model p
(Mike Bevis)

<http://carmenconnect.osu.edu/p82nz1nq48/>

Lecture Session 11: Using data, and data uncertainties, in evaluating a
models (examples from Erik Ivins, Pippa Whitehouse, Mike Bevis, Tor

Erik, Pippa, Mike: <http://carmenconnect.osu.edu/p95nocjrviu/>

Tonie: <http://carmenconnect.osu.edu/p4705y0pe6h/>

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Tonie: <http://carmenconnect.osu.edu/p4705y0pe6h/>

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<http://carmenconnect.osu.edu/p85i26v13s3/>

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SELEN part 2: <http://carmenconnect.osu.edu/p84fs0iorkn/>

SELEN part 3: <http://carmenconnect.osu.edu/p3uyak7g2q3/>



URL: `ftp://ftp.deos.tudelft.nl/upload/GIAschool/`



URL: `http://polenet.org/?page_id=2261.`



URL: `http://www.grat.gik.pw.edu.pl/joze2015.`