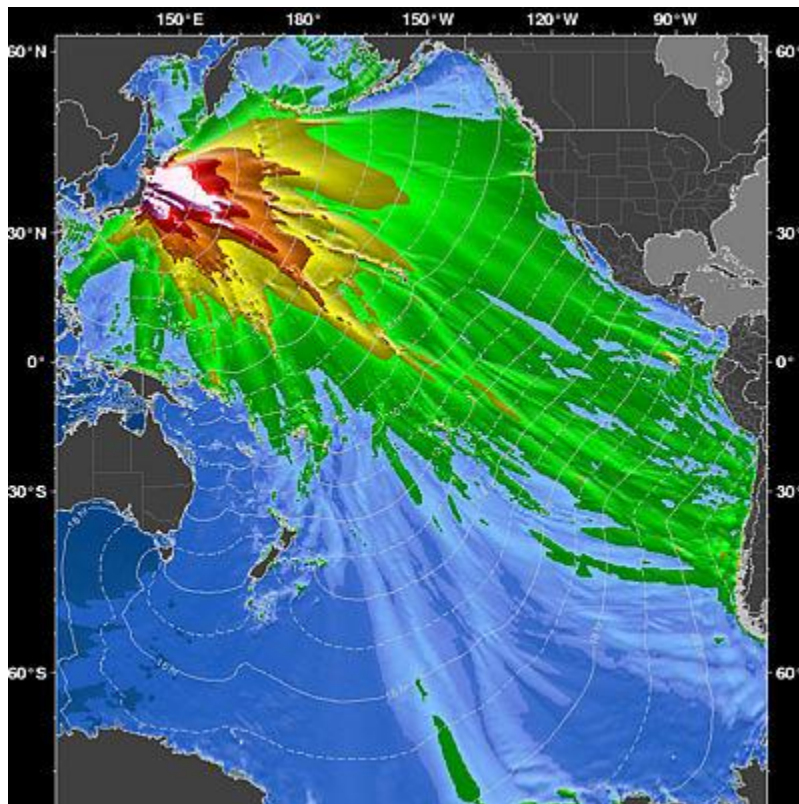


# GEOETHICS NEWS

**March 2011**

The complete set of GEOETHICS NEWS (since 2007) as well as other interesting and useful news about both realized and expected events in the field of GEOETHICS are available - thanks to Professor Jesus Martinez Frías - at the web pages of the AGID National Chapter in Spain: [http://tierra.rediris.es/Geoethics Planetary Protection/](http://tierra.rediris.es/Geoethics_Planetary_Protection/).



**Animation of tsunami wave diffusion in the Pacific Ocean after earthquake in Japan**

## **Contents:**

- 2 **New challenges for geoethics from Japan**
- 4 **THE 50<sup>th</sup> MINING PŘIBRAM SYMPOSIUM (October 2011): Geoethics**
- 5       dtto:    Mathematical Methods in Geology
- 6 **THE 34<sup>th</sup> INTERNATIONAL GEOLOGICAL CONGRESS – Brisbane – August 2012**
- 7 **Greetings to the section GEOETHICS in Moscow – April 2011 (English summary-p.10)**
- 11 **+ Miloš Raban (1948-2011)**
- 12 **Contacts**
- 13 **Questionnaire**

# **NEW CHALLENGES FOR GEOETHICS** **FROM JAPAN**

## **Satellite photos of several localities in Japan**

(move the slider to compare images before and after the quake and tsunami):

<http://www.nytimes.com/interactive/2011/03/13/world/asia/satellite-photos-japan-before-and-after-tsunami.html>

X-X-X

## **FROM THE IUGS E-BULLETIN (NO. 60, MARCH 2011):**

### **TRAGIC EARTHQUAKE AND TSUNAMI HIT JAPAN**

On 11 March 2011 a magnitude 9.0 earthquake struck Japan, near the east coast of Honshu, 129 km east of Sendai and 373 km northeast of Tokyo. As informed by the US Geological Survey this earthquake is one of the largest in the world since 1900, and the largest in Japan since modern instrumental recording began 130 years ago. The earthquake generated a devastating tsunami that swept over cities and farmland along the northern part of Japan. This area is particularly vulnerable to tsunami waves because it has many deep coastal embayments that amplify tsunami waves and cause great wave inundations. The result has been an immeasurable loss of life and damage to critical infrastructure. Once again we are humbly reminded that many tragedies around the world often relate to the dynamic nature of planet Earth.

As Earth Scientists, we all well appreciate the need to better understand the causes of natural hazards. Our collective efforts through geosciences education, practical field research and innovative studies have helped to minimize the risks of natural hazards, reduce human vulnerability and enhance the safety of the global society. Moreover, we know that in order to confront natural disasters not only the geosciences but numerous other disciplines are needed to respond to and mitigate such events.

With a long historical record of earthquakes and tsunamis Japan has developed the most stringent safeguards to ensure that buildings and infrastructure are built to be resilient and capable of surviving this type of disaster. That nation has also developed and maintained the organizational capacity and equipment needed for prevention, early warning and rapid emergency response to natural hazards. This earthquake and its aftermaths, however, show that there is a limit beyond which most efforts are neutralized. Thus, even a society like the Japanese, well prepared for this type of event, may be subject to tremendous losses when the effects of the dynamics of planet Earth reach unusual magnitudes in a given context.

These circumstances surely will not change in the future. On the contrary, as it has already been pointed out by some analysts, not only will we see more natural disasters, but also our human population and built-up settlements could be

increasingly vulnerable to them. This vulnerability results from a continuous increase in population, the presence of new and larger human settlements in areas prone to natural hazards, and the development of technologies needed to maintain that population and the standards it requires even at the cost of some actual or potential negative effects on our environment.

What is basically needed then to cope with these types of inevitable events is the ethos that the Japanese have learned since childhood and are showing today as an example for the rest of the World - an ethos in which resilience, perseverance, patience, and solidarity are some of the most outstanding features, as expressed in the Japanese word "gaman".

On behalf of the many geoscientists represented by the IUGS, we send our heartfelt condolences and sympathies to the many people affected by this recent catastrophe. Ganbaru Nihon!

Alberto C. Riccardi, President IUGS

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## **GEOETHICAL REMARKS:**

The problem of natural hazards – especially after the recent events in Japan – should be considered as the primary problem for geoethics. It is the problem of responsibility of earth scientists (and of many others). People anywhere in the world should be well informed about unavoidable processes in the Earth and earth scientists, as well as policy makers at all levels, should take their own responsibility for improving knowledge, prediction, precaution and preparedness. More progress in predicting possible disasters anywhere is needed. The efforts of global elites of experienced geoscientists should be concentrated and supported by sufficient financial means. Many millions of human lives may be threatened in the near future. The problem of the hierarchical time periodicity of catastrophes can be solved only by earth scientists because historical records of human beings anywhere on the globe are too brief.

The historical, valuable and appreciated experiences of Japan should be emphasized and all the well approved standard measures of this country should be copied elsewhere. The behaviour of the Japanese nation deserves great admiration and should be followed as a valuable example by all those facing unexpected dangers without being prepared by their own previous experiences. The real role of geoethics (actually within the AGID network) should increase.

I remember how in 1989 after the IGC in Washington DC the Smithsonian Institute organized a special symposium against plate tectonics – i.e. about many problems excluded from the IGC; such a situation continues, not all possible hypotheses are taken into consideration....

Václav Němec

# THE 50<sup>th</sup> MINING PŘÍBRAM SYMPOSIUM



**OCTOBER 10 – 14 (15), 2011**  
**Příbram, Czech Republic**

The city of **Příbram** - 60 km SW from Prague - is the centre of a region with a long mining history and tradition going back to the 13<sup>th</sup> century.

The Mining Příbram symposia have been organised here since 1962, therefore the 2011 Symposium will be the 50<sup>th</sup> jubilee one. Since 1968 until 1999 altogether 19 regular international sessions of MATHEMATICAL GEOLOGY took place here, mostly co-sponsored by the International Association for Mathematical Geology (IAMG - borne in Prague in August 1968). The long tradition of these international meetings made it possible to open in 1992 (for the first time in the world) a new series of a specialised international section on GEOETHICS - application of ethics in the fields of Earth sciences.

## **The international section GEOETHICS**

with a joint meeting of the **AGID Working Group for Geoethics** and **meetings of teams preparing projects of geoethics for the IGC 2012 in Brisbane** will be dedicated this year to the memory of one of the first promoters of geoethics and an almost permanent visitor to our meetings – the famous Polish Professor **Adam Stefan TREMBECKI (1921 – 2007)** in remembrance of the 90<sup>th</sup> anniversary of his birth.



Total contributions to geoethics at this forum in the period 1992-2009 - written by **authors from 25 countries** - have reached the number **258**.

Many visitors know the specific character of geoethical sessions at the Mining Příbram Symposia with lot of time available for listening to presentations as well as for discussions in the course of coffee breaks and elsewhere. The time table makes it possible to use a tailor made plan for your individual sojourn. Some visitors limit their stay for the most important 2 – 3 days of lectures, some extend their stay for weekend visit(s) to beautiful Prague or other interesting localities more distant from Příbram. A festive evening remembering old mining traditions as well as the planned excursion in spectacular countryside with beautiful Autumn colours usually bring unforgettable impressions. The possibilities in 2011 will cover also the possibility to join the program for mathematical geologists starting already in Prague on Friday October 7. Some previous editions of GEOETHICS NEWS at the above given web pages will give you ideas about the low budget policy of the Mining Příbram symposia.



## The international section **MATHEMATICAL METHODS IN GEOLOGY**

**What constitutes Mathematical Geology, from whence  
did it come and whither can it be expected to go?**

(The new version of the subtitle recommended by Prof. Richard Reymont.)

The IAMG Council has approved and the IAMG President reported:

*Dear Vaclav,*

*this is to officially notify you that the motion has been approved by the Council in the following terms: "The IAMG shall endorse a meeting on 'What is MATHEMATICAL GEOLOGY, where it came and where it will go?', within the 50<sup>th</sup> Mining Příbram Symposium. Coordination between the IAMG and the meeting's organizers shall be handled by the Meetings Committee. The endorsement does not imply financial support."*

*I wish you all the best for the upcoming meeting.*

*With best regards,*

*Vera Pawlowsky-Glahn, IAMG President*

Many mathematical geologists are interested to (re)visit in October 2011 the IAMG birthplace Prague and Příbram for reminiscences and friendly discussions about history and achievements of mathematical earth sciences. In case of sufficient interest, appropriate meetings with presentations will be organized in the hotel KRYSTAL (where also IAMG Silver Jubilee was held in October 1993 as well as sessions of mathematical geologists under the umbrella of the Mining Příbram Symposium in 1993, 1995, 1997 and 1999). More details will be published in the next issue of GEOETHICS NEWS. **The official program may start in Prague already on Friday October 7, 2011.**

Very probably one common session for mathematical geologists and for geoethicists will be arranged at **Příbram on Monday October 10, 2011** in the afternoon where also some problems of interest for both parts can be discussed (predictability of some phenomena, professional ethics etc.). The review of the history of our meetings is being planned for **the inaugural plenary session of the Symposium on Tuesday October 11** in the morning (Dr. Němec in English), for other presentations (in Czech) a parallel ppt-presentation in English may be prepared.

It should be emphasized that without the previous development of mathematical geology at Příbram (supported by the IAMG) geoethics would not have been able to get - after the birth in 1991 - such a relatively rapid and large international response (regular meetings at the Příbram symposia as well as at the International Geological Congresses). As you see - even an incidental by-product can be of a great historical importance!





## THE 34<sup>th</sup> INTERNATIONAL GEOLOGICAL CONGRESS

August 5 – 10, 2012;

Brisbane, Australia:

<http://www.34igc.org/>

Two special events are planned on behalf of AGID:

### The **TRAINING WORKSHOP: The Importance of Geoethics with Particular Reference to Low Income Countries**

International presenters: Václav Němec (speaker), Arun Deep Ahluwalia, Ochir Gerel, Jesus Martinez-Frías, Satoshi Murao, Niichi Nishiwaki, Haiqiao Tan

*Geoethics is a discipline at the intersection of geosciences and ethics, which can serve as a universal means of achieving progress towards a more sustainable world. It involves a new way of thinking in relation to understanding unavoidable Earth and planetary processes (such as the devastating earthquakes and tsunamis), global sustainability and future trends. This training workshop, organized by the Association of Geoscientists for International Development (AGID), will focus on major applications of geoethics in low income countries (many of them with direct linkages to the more developed parts of the world). It will cover the importance of education at all levels, sound legislative processes and governance, appropriate measures for minimizing losses and damages, effective monitoring systems, responsible production of natural resources, corporate social responsibility, international solidarity, etc. Participants will be invited to discuss their own experiences and make suggestions."*

### The **SYMPOSIUM No. 5** within the Theme 2 (Geoscience Benefiting Low Income Countries): **Geoethics**

Lead convenor: Václav Němec; co-convenors: Jesus Martinez-Frías, Nataliya Nikitina, Niichi Nishiwaki, Silvia Peppoloni.

*Abstracts are invited on the theory and practice of Geoethics, which recognizes the necessity of an ethical attitude to the geosphere and of finding ways to solve ethical dilemmas primarily in connection with natural hazards (including risk of unavoidable disasters), sustainable use of Earth resources and space exploration. Education is essential for facilitating responsible decision-making based on integration of moral and cultural values with social, environmental, technical and economic considerations.*

#### **Important Dates:**

<b>April 2011</b>	Abstract submissions opens
<b>August 2011</b>	Early registrations open (available until 30 April, 2012)
<b>February 17, 2012</b>	Abstracts submissions close
<b>April 30, 2012</b>	Presenters of papers must pay for their registration for the congress by this date or be automatically deleted from the Congress

#### **CONTACT FOR PARTICIPANTS AND AUTHORS EXCLUSIVELY: <http://www.34igc.org/>**

Existing rules are to be applied. A recent experience has proved that any non-standard approach could cause unexpected butterfly effects and more harm than useful help - not speaking about problems of unethical behaviour usually connected with such attempts (protectionism, strictly personal and partial advantages etc.) and about molesting top IGC officers with problems that should and can be successfully negotiated at other competent levels.



# ASSOCIATION OF GEOSCIENTISTS FOR INTERNATIONAL DEVELOPMENT (AGID)

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## ПРИВЕТСТВИЕ УЧАСТНИКАМ СЕКЦИИ XXVIII «ГЕОЭТИКА» конференции «Новые идеи в науках о Земле», Москва, 2011 г.

**Уважаемый председатель**

**Уважаемые организаторы**

**Уважаемые участники секции «Геоэтика»**

Позвольте мне от имени AGID (Ассоциации ученых геологов для международного развития) и от себя лично как вице-президента AGID (для европейской территории) приветствовать вас и пожелать успехов в работе традиционной секции геоэтики. Очень сожалею, что в этом году по независящим от нас причинам ни мне, ни моей супруге (активному стороннику развития и продвижения идей геоэтики) Лидмиле Немцовой не удалось принимать участие в работе секции.

Обращаясь сегодня к вам, уважаемые участники, я бы особенно хотел подчеркнуть тот факт, что 20 лет назад были сделаны первые шаги для возникновения и развития новой дисциплины. На симпозиуме в Кракове в честь 70-летия профессора А. С. Трембецкого в своем докладе я впервые изложил идею о необходимости введения такой дисциплины как этика в комплекс наук о Земле. В 1992 г на международном геологическом конгрессе в Киото я впервые проинформировал участников симпозиума «GEOEDUCATION» о новой дисциплине. И в октябре того же года я впервые провел международное заседание по геоэтике в рамках традиционного симпозиума «Горнорудный Пршибрам в науке и технике». Этот симпозиум уже был широко известен в научном мире, многие ученые принимали участие в заседаниях в секции математической геологии, работавшей в рамках симпозиума регулярно с 1968 г. Тогда нас было не много. Но это были люди с особыми интересами и устремлениями в науке. Именно они сыграли важную роль

становлении геоэтики: профессор А. С. Трембецкий из Польши, профессор Ф. Л. Вильке из ФРГ, доктор наук Ж. Бюсак из Франции, Л. П. Рыжова из России, Л. Немцова и я как конвинуер из еще существующей в то время Чехословакии.

В 1994 г секция геоэтики в Пршибраме работала как самостоятельная в присутствии многочисленной русской делегации (особенно из ВИЭМС), искавшей исторические корни геоэтики в учении В. И. Вернадского. С тех пор заседания секции геоэтики в Пршибраме проводятся регулярно и собирают многих ученых-геологов и специалистов-практиков - особенно из Европы и Азии, но также из других континентов. С 1992 по 2009 г. было в Пршибраме опубликовано 258 докладов от авторов из 25 стран.

Моя личная роль в развитии геоэтики была высоко оценена РАЕН, избравшей меня в 1995 г. своим постоянным членом.

В 1996 г. на международном геологическом конгрессе в Пекине прошло собственное заседание по геоэтике. С тех пор идеи геоэтики становятся популярны во всем мире. В 1996 г. в работе секции геоэтики в Пршибраме принимал участие профессор Билл Файф, выполнявший в 1992 – 1996 гг. функцию президента Международного союза геологических наук (IUGS).

С 1997 г. заседания секции геоэтики регулярно проводятся в рамках Международной конференции «Новые идеи в науках о Земле» в Москве. Научными результатами этих конференций стало существенное приращение как теоретических знаний (А. М. Гайдин, Г. С. Гольд, Н. П. Григорьев, В. И. Гур, М. А. Комаров, Г. С. Сенатская, Н. Л. Шилин и др.) так и прикладных изысканий в сфере геоэтики (О .С. Брюховецкий, А. А. Верчеба, А. Г. Красавин, М. Б. Кузьмин, Л. П. Рыжова и др.). Также моей супруге и мне удалось не однократно принять участие на этих заседаниях.

В 2000 и 2004 гг. на международных геологических конгрессах в Рио-де-Жанеро и во Флоренции прошли собственные заседания по геоэтике. Во Флоренции на генеральной ассамблее AGID мне удалось получить согласие AGID принять геоэтику под свое крыло в качестве новой области ее интересов. Это было трудным решением, поскольку в тот момент многие старейшие члены AGID предполагали распустить эту организацию в связи с выполнением целей, ради которых она создавалась. В связи с принятием этого решения была создана под моим руководством новая структура – рабочая группа AGID по геоэтике, и я назначен также вице-президентом AGID (для европейской территории).

Определенные успехи в развитии геоэтики были достигнуты и на специальных заседаниях в рамках международного геологического конгресса в Осло в 2008 г. и на последующих встречах ученых в 2009 г. в Москве, в Римини и в Пршибраме.

2009 г. стал в связи с облегчением условий для членства в AGID началом формирования национальных организаций геоэтики под крылом AGID. Вся история



геоэтики с 2007 г. изложена в GEOETHICS NEWS, которые с 2010 г. опубликованы и доступны на [http://tierra.rediris.es/Geoethics Planetary Protection/](http://tierra.rediris.es/Geoethics%20Planetary%20Protection/) (сайт испанской группы AGID).

Я очень рад, что Н. К. Никитина, с 2004 г. принимавшая активное участие во всех международных встречах по геоэтике (в Италии, Чешской Республике, Норвегии), по моей просьбе взяла на себя нелегкую роль по созданию российской организации геоэтики и что Российское геологическое общество под председательством В. П. Орлова оценило важность и необходимость этих шагов. Сегодня секция геоэтики при РОСГЕО объединяет 22 человека. Среди них и известные ученые, такие как профессор М. А. Комаров, В. С. Литвиненко, и научные работники отраслевых институтов, и преподаватели университетов и колледжей, сотрудники горнодобывающих компаний. Для меня как вице-президента AGID для европейской территории особенно ценны планы российской секции геоэтики по интеграции в международную структуру AGID. И сегодня, имея возможность обратиться к вам, уважаемые участники конференции, я прошу всех, кто еще занимает «нерешительную позицию», войти в состав российской секции геоэтики при РОСГЕО.

Что же касается будущего, то я бы хотел еще раз проинформировать вас о традиционной встрече последователей идей геоэтики в октябре 2011 г. в рамках юбилейного 50-ого международного симпозиума «Горнорудный Пршибрам». На заседаниях у нас будет достаточно времени для дискуссии о путях дальнейшего развития геоэтики и о подготовке будущих специальных заседаний в рамках международного геологического конгресса в Брисбейн (Австралия) в августе 2012 г. Заседание в Пршибраме также будет посвящено памяти профессора А. С. Трембецкого (1921-2007) в связи с его 90-летием. Более подробную информацию вы можете найти на уже упомянутом сайте в GEOETHICS NEWS – MARCH 2011: [http://tierra.rediris.es/Geoethics Planetary Protection/](http://tierra.rediris.es/Geoethics%20Planetary%20Protection/). Всех потенциальных участников симпозиума в Пршибраме в октябре 2011 г, кто пока не связался со мною по этому вопросу, прошу передать свои координаты или мне по электронной почте [lidmila.nemcova@quick.cz](mailto:lidmila.nemcova@quick.cz) или непосредственно Н. К. Никитиной, с которой я поддерживаю постоянную рабочую связь ([NikitinaNK@mmcintergeo.ru](mailto:NikitinaNK@mmcintergeo.ru)).

Я очень надеюсь получить информацию об итогах работы конференции «Новые идеи в науках о Земле» и особенно вашей секции геоэтики, о всех новых аспектах и предложениях, интересных для будущего развития и прогресса нашей науки. Я бы только хотел подчеркнуть еще один важный, на мой взгляд, аспект. **Геоэтика – это не только научная дисциплина, это также своего рода стиль мышления и стиль действий. Без освоения этического мышления, этической внимательности и этического поведения во всех аспектах жизни успешное развитие геоэтики невозможно.** Только на этой основе можно надеяться на дальнейший прогресс этой научной дисциплины и улучшение общего этического климата в мире. Недавние землетрясение и цунами в Японии, их ужасающие последствия напоминают нам еще раз о важности роли геоэтики и всего комплекса наук о Земле.

Желаю успехов и надеюсь на продолжение наших контактов в будущем. К моим пожеланиям присоединяется и моя супруга Лидмила Немцова, которая продолжает свою профессиональную деятельность как эксперт различных международных структур по предпринимательской этике и оказывает всестороннюю поддержку нашим усилиям в развитии геоэтики.

Всего доброго.

С уважением

Вацлав Немец,  
академик РАН,  
вице-президент AGID (для европейской территории)

\*\*\*

**GREETINGS of Dr. Václav Němec  
to the chairperson, organizers and participants of the section  
„Geoethics“ in the framework of the regular biannual conference  
„New Ideas in the Earth Sciences“ to be held  
in Moscow (April 2011)**

(Summary in English)

Dr. Němec excuses (also on behalf of Lidmila Němcová) their absence at the meeting and remembers both the merits of Russian colleagues in supporting the development of geoethics from the very beginning as well as recent efforts (lead by Dr. N. K. Nikitina) to establish the group for geoethics in Russia under the umbrella of the Russian Geological Society.

The following very serious aspect should be emphasized: **Geoethics do not represent only a scientific discipline but also a special style of thinking and acting. Without mastering an ethical way of thinking, ethical sensibility and ethical behaviour in all aspects of the life any hope to achieve a further progress of this discipline as well as an improvement of the ethical climate in the world would be impossible.**

Recent events in Japan have remembered again very seriously the actual role of geoethics and of the Earth sciences.

## + Doc. PhDr. Ing. Miloš RABAN, Th.D. (1948-2011)



Dr. Raban was **the first priest who took an active part in developing geoethics**, with degrees in theology, philosophy and system engineering, director of the International Center for Spiritual Recovery at Hejnice, associate professor at two universities etc.

I remember at this occasion one evening in 1996 when we were sitting (Dr. Raban, my wife and me) together with Professor W. S. Fyfe who just as the outgoing IUGS President took part in our international section on geoethics (in the framework of the Mining Příbram Symposium). But at many of our further personal meetings with Dr. Raban (always on the mailing list of GEOETHICS NEWS) problems of geoethics and morality were discussed.

At his funeral service (January 17) in the basilica of Hejnice all honours to the late promoter of many useful ideas were given. The Apostolic Nuncio as well as Archbishop of Prague (head of the Catholic Church in the Czech Republic) and many other bishops and priests, academic dignitaries (including many guests from Germany, Poland and other states), the President of the Region, representatives of political life etc. were present. I used this opportunity to meet several top representatives of the Management School of Legnica (Poland) where another famous geoethics promoter Professor A. S. Trembecki was active as rector until his death in 2007 (at the age of 86 years!). **What remarkable personalities have taken part in the process of developing the new discipline!**

Václav Němec



<http://tisk.cirkev.cz/z-domova/zaplнена-hejnicka-bazilika-se-loucila-s-p-doc-rabanem/>

## **CONTACTS** (for THE MINING PŘÍBRAM SYMPOSIUM as well as for the GEOETHICS NEWS and for the AGID WORKING GROUP on GEOETHICS):

by the e-mail (preferably) to:

[lidmila.nemcova@quick.cz](mailto:lidmila.nemcova@quick.cz) (conveners) and

[marcinikova@diamo.cz](mailto:marcinikova@diamo.cz) (Symposium Secretary) and

[dolezalova@diamo.cz](mailto:dolezalova@diamo.cz) (DIAMO library – used by Dr. Němec when at Příbram);

all 3 addresses are recommended to be used simultaneously to avoid local technical difficulties

by the mail to:

Dr. Václav Němec

or/and

The Mining Příbram Symposium

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P.O. Box 41

100 00 Praha 10 - Strašnice

261 92 Příbram

Czech Republic

Czech Republic

by the fax to (++420) 318644148 - add FOR THE MINING PŘÍBRAM SYMPOSIUM

**Contacts for the AGID:** [www.bgs.ac.uk/agid](http://www.bgs.ac.uk/agid)

*Information about AGID membership and especially about possible establishing new AGID National Chapters (under very advantageous conditions) available at GEOETHICS NEWS – DECEMBER 2009 (p.9):*

[http://tierra.rediris.es/Geoethics\\_Planetary\\_Protection/Newsletter/GeoethicsNews09December.pdf](http://tierra.rediris.es/Geoethics_Planetary_Protection/Newsletter/GeoethicsNews09December.pdf)

*FRESH NEWS concerning geoethics as well as all GEOETHICS NEWS since 2007:* [http://tierra.rediris.es/Geoethics\\_Planetary\\_Protection/](http://tierra.rediris.es/Geoethics_Planetary_Protection/) (AGID National Chapter in Spain)

**Contacts for the IGC:** <http://www.34igc.org/>

X-X-X

With best personal regards,

**Václav Němec\*** and **Lidmila Němcová\*\***,

Convenors of the international sections “GEOETHICS” and “MATHEMATICAL METHODS IN GEOLOGY” at the Mining Příbram Symposia

*\*Václav Němec: at the Mining Příbram Symposia convenor of international sessions on Mathematical Geology (1968-1999, 2011) as well as on Geoethics (since 1992), AGID vice-president for Europe, Head of the AGID Working Group for Geoethics, founding member of the IAMG, former IAMG Eastern Treasurer (1968-1980, 1984-1996).*

*\*\*Lidmila Němcová: besides her activities for the Mining Příbram Symposia (since 1985), co-founder and presently President of the Society for Ethics in Economics in the Czech Republic, member of various European structures oriented to business ethics and social dialogue, co-founder of the Czech branch of the European Anti-Poverty Network.*

# QUESTIONNAIRE

## THE MINING PŘÍBRAM SYMPOSIUM 2011

Prague: October 7-10; Příbram: October 10 – 14 (15)

To be sent (preferably) to: [lidmila.nemcova@quick.cz](mailto:lidmila.nemcova@quick.cz); [marcinikova@diamo.cz](mailto:marcinikova@diamo.cz); [dolezalova@diamo.cz](mailto:dolezalova@diamo.cz) .  
Other contacts: see p. 12.

**In case of your positive answer we need to receive this questionnaire  
prior to April 30 (inappropriate indications to be deleted)**

### **Personal data:**

Name:

Address:

E-mail:

Phone No. (incl. country and city codes):

Fax No. (incl. country and city codes - ***only if no e-mail available***):

### **Probability of participation:**

☒ high                      ☒ medium                      ☒ low                      ☒ I shall not attend

I am interested to take part in:

YES - NO mathematical geology and sightseeing - in Prague (October 7-10\*);

YES - NO sightseeing, culture, and relax only - in Prague (October 7-10\*);

YES - NO mathematical geology - at Příbram (October 10-12\*);

YES - NO the international section on GEOETHICS - at Příbram (Oct. 10-14\*);

YES - NO additional session preparing geoethics for the IGC Brisbane (Oct. 15\*).

Number of accompanying persons:

YES – NO **For Prague: I am interested to stay in the hotel Krystal**

### **Abstract(s) of suggested paper(s):**

☒ no intention to present a paper

☒ already sent

☒ enclosed

☒ will be sent before ..... - preliminary title(s) of the paper(s):

### **Other special wishes, remarks, suggestions, comments:**