



ALLEA
ALL European
Academies



AE-ALLEA-YAE **ANNUAL CONFERENCE**

2017

SUSTAINABILITY AND RESILIENCE

BUDAPEST / HU

3-6 SEPT 2017 / MTA



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WELCOME



It is our pleasure to warmly welcome you to the joint annual 2017 conference of Academia Europaea (AE) and the European Federation of Academies of Sciences and Humanities (All European Academies – ALLEA). These two academies have organised for the first time an event of this scale, in partnership with the Young Academy of Europe (YAE) and with the host, the Hungarian Academy of Sciences.

The main conference and the pre-conference events take place in the historic building of the Academy in Budapest. The topics of the conference are particularly relevant for Europe: the Sustainability and Resilience of its heritage, its social system, its health, its economy, its climate, its science and research systems. As the participating academic organisations represent all domains of sciences, (including natural sciences, life sciences, social sciences, humanities and arts), the speakers of the conference will present facts and challenges in various areas, including in the area of the use of scientific evidence for sustainable and resilient public policy, and offer their visions and potential solutions to pressing and debated issues.

Beyond the scientific discussions we have organized a number of pre-conference workshops that reflect both specific disciplinary interests and topics impacting the academic community and society at large. We are also pleased to invite you to the

presentation of prestigious awards and medals from Academia Europaea, ALLEA and YAE. The AE Gold Medal will be awarded to Helga Nowotny, the AE Erasmus Medal to Andreu Mas-Colell and the first ever Ádám Kondorosi Advanced Research prize of AE to Allan Downie. The ALLEA Madame de Staël Prize for Cultural Values will honour Koen Lenaerts and the first prize of YAE will be conferred upon Rianne Letschert.

We wish you a highly inspiring meeting,

Balázs Gulyás

Chair of the Organising Committee

Sierd Cloetingh

President, Academia Europaea

Günter Stock

President, ALLEA

Marcel Swart

Chair of Board, Young Academy of Europe

László Lovász

President, Hungarian Academy of Sciences



PROGRAMME OVERVIEW

3 September

SUNDAY

11:30-18:30

ALLEA BOARD MEETING

> *Bolyai Room*
(by invitation only)

13:00-16:00

“ERC – A SUCCESS STORY FOR EUROPE” PRE-CONFERENCE WORKSHOP

> *Reading Room*

13:00-20:30

YOUNG ACADEMY OF EUROPE PRE-CONFERENCE SESSIONS

> *Small Lecture Room*

14:00-17:00

AE HISTORY & ARCHAEOLOGY SECTION

How can History and Archaeology be handmaidens in defining a national or regional (in this case European) identity?

> *Library Small Lecture Room 2nd floor*

14:00-18:30

AE SECTION ON PHYSICS AND ENGINEERING SCIENCES

Inaugural Presentations by New Members of AE from Section B1-3: Physics and Engineering Sciences

> *Library Conference Room 2nd floor*

14:00-17:00

AE LITERARY AND THEATRICAL SECTION

Sacrificial narratives
> *Concert Room*

15:00-18:30

AE FILM, MEDIA AND VISUAL STUDIES (FMVS) SECTION

Media as public good and a lever of sustainability

> *Council Room of the Presidium*

17:00-19:30

AE BOARD MEETING

> *Szentágothai Room*
(by invitation only)

4 September

MONDAY

8:30-16:00

YOUNG ACADEMY OF EUROPE PRE-CONFERENCE SESSIONS

> *Small Lecture Room*

9:00-16:00

ALLEA GENERAL ASSEMBLY - BUSINESS MEETING

> *Large Lecture Hall
(by invitation only)*

9:00-12:00

AE COUNCIL MEETING

> *Council Room of the
Presidium
(by invitation only)*

9:00-13:00

TRAUMA MANAGEMENT, SEARCH FOR IDENTITY, SELF- IMAGES AND OTHERNESS IN EAST CENTRAL EUROPE AND BEYOND

> *Bolyai Room*

9:30-12:30

AE LITERARY AND THEATRICAL SECTION

Story-telling and Resilience:

The Function of Literature in
the Overcoming of Trauma

> *Szentágothai Room*

13:30-16:00

AE ANNUAL BUSINESS MEETING OF MEMBERS

including welcome of new
(2016) AE members and
presentation of 2017 Burgen
scholars

> *Reading Room
(by invitation only)*

13:30-16:00

YOUNG ACADEMY OF EUROPE BOARD MEETING

> *Concert Room
(by invitation only)*

16:30-16:50

OPENING ADDRESSES

> *Ceremonial Hall*

16:55-18:15

PRIZES CEREMONY AND LECTURES

> *Ceremonial Hall*

18:30 | RECEPTION

> *Krúdy Hall
(for all participants)*

19:30 | CONFERENCE DINNER

> *Ceremonial Hall
(only for those with ticket)*

5 September

TUESDAY

9:00-9:30

ACADEMIA EUROPEA
KONDOROSI PRIZE AND
LECTURE

> *Ceremonial Hall*

9:30-10:00

FRONTIERS OF SCIENCE
LECTURE

> *Ceremonial Hall*

10:00-10:30 | COFFEE BREAK

10:30-12:00

PLENARY SESSION I
Climate, Environment, Water
and Future Earth

> *Ceremonial Hall*

12:00-13:00 | LUNCH BREAK

13:00-14:30

PLENARY SESSION II
Economy, Resources, Energy

> *Ceremonial Hall*

14:30-15:00 | COFFEE BREAK

15:00-16:30

PLENARY SESSION III
Europe: Culture, Heritage,
Integrity, Resilience and
Future

> *Ceremonial Hall*

16:30-17:00

FRONTIERS OF SCIENCE
LECTURE

> *Ceremonial Hall*

17:00-17:30 | COFFEE BREAK

17:30-18:30

ACADEMIA EUROPAEA
ERASMUS MEDAL
PRESENTATION AND 2017
HEINZ-NIXDORF ERASMUS
LECTURE

> *Ceremonial Hall*

18:30-21:00 | MEET AND
GREET BUFFET RECEPTION

> *Academy Club*

(only for those with ticket)

6 September

WEDNESDAY

9:00-13:00

SAPEA BOARD MEETING

> *Bolyai Room*
(by invitation only)

9:00-9:30

YOUNG ACADEMY PRIZE AND LECTURE

> *Ceremonial Hall*

9:30-11:00

PLENARY SESSION IV

Health and Disease, Healthy Living

> *Ceremonial Hall*

11:00-11:30 | COFFEE BREAK

11:30-12:15

ACADEMY SHOWCASE SESSION:

Academies' advice to policy-making – impact and strategies

> *Ceremonial Hall*

12:15-13:15 | LUNCH BREAK

13:15-13:45

FRONTIERS OF SCIENCE LECTURE

> *Ceremonial Hall*

13:45-15:15

PLENARY SESSION V

Scientific Advice (SAM/ SAPEA)

> *Ceremonial Hall*

15:15-15:45 | COFFEE BREAK

15:45-17:15

PLENARY SESSION VI

Sustainability and Resilience of European Science

> *Ceremonial Hall*

17:15-17:30

CLOSING REMARKS

> *Ceremonial Hall*

17:30-18:30 | FAREWELL DRINKS

> *Academy Club*

7 September

THURSDAY

POST-CONFERENCE FIELD TRIP

(only for those with ticket)

MAIN PROGRAMME

4 SEPTEMBER

MONDAY

16:30-16:50

OPENING ADDRESSES

Venue: Ceremonial Hall

- **László Lovász**, President, Hungarian Academy of Sciences
- **Sierd Cloetingh**, President, Academia Europaea
- **Günter Stock**, President, ALLEA
- **Marcel Swart**, Chair of Board, Young Academy of Europe

16:55-18:15

PRIZES CEREMONY AND LECTURES

Venue: Ceremonial Hall

Academia Europaea Gold Medal

Laureate lecture:

- **Helga Nowotny**, WWTF, Vienna: **The Resilience of Science**
Laudatio by **Enric Banda**, Barcelona Supercomputing Centre

All European Academies Madame de Staël Prize for Cultural Values

Laureate lecture:

- **Koen Lenaerts**, Court of Justice of the European Union,
Luxembourg
The European Court of Justice in Times of Societal Change
Laudatio by **David Edward**, Edinburgh Law School

18:30

RECEPTION

Venue: Krúdy Hall (for all participants)

19:30

CONFERENCE DINNER

Venue: Ceremonial Hall (only for those with ticket)

5 SEPTEMBER

TUESDAY

9:00-9:30

ACADEMIA EUROPAEA KONDOROSI PRIZE AND LECTURE

Venue: Ceremonial Hall

Laureate lecture:

- **Allan Downie**, John Innes Centre, Norwich
Symbiotic nitrogen fixation: a paradigm for inter-kingdom signalling

Chair: **Pál Venetianer**, MTA Biological Research Centre, Szeged

Laudatio by **Jens Stougaard**, Aarhus University

9:30-10:00

FRONTIERS OF SCIENCE LECTURE (BALZAN PRIZE LECTURE)

Venue: Ceremonial Hall

- **Reinhard Jahn**, Max Planck Institute, Göttingen
How neurons talk to each other – about molecular machines and membranes

Chair: **Ole Petersen**, Cardiff University

10:00-10:30

COFFEE BREAK

10:30-12:00

PLENARY SESSION I

Climate, Environment, Water and Future Earth

Venue: Ceremonial Hall

Moderator: **Enric Banda**, Barcelona Supercomputing Centre

Speakers:

- **Georges Vachaud**, CNRS, France
Some environmental and social impacts of climate change on the water cycle: from scarcity to submersion
- **Kate Hendry**, University of Bristol
The physical, biological and chemical fingerprint of melting ice
- **Steve Evans**, University of Cambridge
On the efficiency of our industrial system as a stakeholder in our natural system
- **Josep María Antó**, Barcelona Institute for Global Health
The impacts of climate change in human health: a global bidirectional challenge

12:00-13:00

LUNCH BREAK

13:00-14:30

PLENARY SESSION II

Economy, Resources, Energy

Venue: Ceremonial Hall

Moderator: **Andreu Mas-Colell**, Pompeu Fabra University, Barcelona

Speakers:

- **Yan Lavallée**, University of Liverpool
Towards New Magma Monitoring and Energy Frontiers

- **Jean-François Minster**, National Academy of Technologies of France
Projections for the Energy mix transformation; comparison between various approaches
- **Frederick van der Ploeg**, University of Oxford
Dealing with conflicting view on global warming

14:30-15:00

COFFEE BREAK

15:00-16:30

PLENARY SESSION III

Europe: Culture, Heritage, Integrity, Resilience and Future

Venue: Ceremonial Hall

Moderators:

Miklós Maróth, Pázmány Péter Catholic University,
Piliscsaba

David Edward, Edinburgh Law School

Speakers:

- **Paul Demeny**, Population Council, New York
Sustainability and resilience: Linkages to demography
- **Ronald de Bruin**, COST Association, Brussels
The COST Framework
- **Éva Kondorosi**, European Research Council, Brussels
Strengthening the European research system - the role of the ERC

16:30-17:00

FRONTIERS OF SCIENCE LECTURE

Venue: Ceremonial Hall

- **José van Dijck**, Royal Netherlands Academy of Arts and Sciences
European public values in a global online society

Chair: **Ed Noort**, ALLEA

17:00-17:30

COFFEE BREAK

17:30-18:30

**ACADEMIA EUROPAEA ERASMUS MEDAL PRESENTATION
AND 2017 HEINZ-NIXDORF ERASMUS LECTURE**

Venue: Ceremonial Hall

Laureate lecture:

- **Andreu Mas-Colell**, Pompeu Fabra University, Barcelona
Is the era of work ending?

Chair: **Sierd Cloetingh**, Academia Europaea

Laudatio by **Sergiu Hart**, Hebrew University of Jerusalem

18:30-21:00

MEET AND GREET BUFFET RECEPTION

Venue: Academy Club (only for those with ticket)

6 SEPTEMBER

WEDNESDAY

9:00-9:30

YOUNG ACADEMY PRIZE AND LECTURE

Venue: Ceremonial Hall

Laureate lecture:

- **Rianne Letschert**, Maastricht University
United in Diversity; on the role of team science in modern universities

Chair: **Marcel Swart**, YAE

9:30-11:00

PLENARY SESSION IV

Health and Disease, Healthy Living

Venue: Ceremonial Hall

Moderators:

- Phillip Campbell**, Nature
- Ruth Arnon**, Weizmann Institute, Rehovot

Speakers:

- **Emily Holmes**, Karolinska Institute, Stockholm
Mental Health after Psychological Trauma: Refugees in Europe
- **Martin Prince**, King's College London
Multimorbidity, frailty and dependence, and their applications to promotion, prevention and delivery of age-appropriate healthcare in low and middle income countries
- **Michal Schwartz**, Weizmann Institute, Rehovot
Targeting the innate and adaptive immunity in

combating neurodegenerative diseases

- **Mangala Srinivas**, Radboud University Medical Center, Nijmegen
Cellular Therapies in Europe: Current Status and Future Possibilities

11:00-11:30

COFFEE BREAK

11:30-12:15

ACADEMY SHOWCASE SESSION

Academies' advice to policy-making – impact and strategies

Venue: Ceremonial Hall

Moderator: **Bärbel Friedrich**, Leopoldina, Germany

Speakers:

- **Roger Pfister**, Swiss Academies of Arts and Sciences
Climate hotspot Switzerland: scientific policy advice on resilience and mitigation measures
- **Sherrie Forrest**, The National Academies of Sciences Engineering, and Medicine, US
Reimagining the Role of Academies in Building Resilience

12:15-13:15

LUNCH BREAK

13:15-13:45

FRONTIERS OF SCIENCE LECTURE

Venue: Ceremonial Hall

- **Bertil Andersson**, Nanyang Technological University, Singapore
The Future of Universities

Chair: **Balázs Gulyás**, Nanyang Technological University, Singapore

13:45-15:15

PLENARY SESSION V

Scientific Advice (SAM/SAPEA)

Venue: Ceremonial Hall

Moderator: **Sierd Cloetingh**, Academia Europaea

Speakers:

- **Robert-Jan Smits**, European Commission, DG RTD
- **Rolf-Dieter Heuer**, SAM High Level Group
- **Günter Stock**, ALLEA, Chair of the SAPEA board
- **Yves Caristan**, Euro-CASE
- **Marcel Stewart**, YAE
- **Bärbel Friedrich**, Leopoldina
- **László Lovász**, Hungarian Academy of Sciences
- **Helen Wallace**, British Academy

15:15-15:45

COFFEE BREAK

15:45-17:15

PLENARY SESSION VI

Sustainability and Resilience of European Science

Venue: Ceremonial Hall

Moderators:

Nicole Grobert, University of Oxford

Stan Gielen, Netherlands Organisation for Scientific Research, The Hague

Speakers:

- **Monica Dietl**, Science-Business, Brussels
- No solid Research without Europe, no strong Europe without Research**

- **Alban Kellerbauer**, Max Planck Institute for Nuclear Physics, Heidelberg **Resilience of fundamental research**
- **Robert-Jan Smits**, European Commission, DG RTD **European Science at the crossroads**
- **Jan-Wouter Vasbinder**, Nanyang Technological University, Singapore **What if there were no universities?**
- **Alex Halliday**, Royal Society, London **International mobility, joint working and European research**

17:15-17:30

CLOSING REMARKS

Venue: Ceremonial Hall

- **László Lovász**, President, Hungarian Academy of Sciences
- **Sierd Cloetingh**, President, Academia Europaea

17:30-18:30

FAREWELL DRINKS

Venue: Academy Club

PRE-CONFERENCE WORKSHOPS

3 SEPTEMBER 2017 | SUNDAY

13:00-16:00

ERC – A SUCCESS STORY FOR EUROPE

Venue: Reading Room

Chair: **Éva Kondorosi**, Vice President, ERC

12:45 Registration

13:00 Welcome by

Éva Kondorosi, Vice President of ERC and Chair of the ERC Scientific Council Working Group on Widening European Participation

Jean-Pierre Bourguignon,

President of the European Research Council (ERC)

13:15 Helga Nowotny, former President of ERC

Challenges for Inclusiveness in Frontier Research

13:35 Sierd Cloetingh, President of Academia Europaea, former Vice President of ERC

Spreading Research Excellence in Europe: Perspectives of Academia Europaea

13:50 ERC Grantee Testimony

Enikő Kubinyi, member of YAE

Cognitive aging in dogs: an interdisciplinary approach

14:05 Q&A session with the speakers

14:40 Coffee break

15:00 Panel discussion
Perspectives on Inclusiveness in ERC Competitions
by the European Federation of Academies of
Sciences and Humanities

Moderator: Jerzy Duszynski, President of the Polish Academy of Sciences

Panelists:

- **László Lovász**, President of the Hungarian Academy of Sciences
- **Eva Zažímalová**, President of the Czech Academy of Sciences
- **Catherine Cesarsky**, Vice-President for International Relations of the French Academy of Sciences
- **Martin Grötschel**, President of the Berlin-Brandenburg Academy of Sciences
- **Peter Kennedy**, President of the Royal Irish Academy

15:55 Concluding remarks

Jean-Pierre Bourguignon, President of ERC

The meeting will be followed by a buffet reception.

12:00-20:30

YOUNG ACADEMY OF EUROPE PRE-CONFERENCE SESSIONS

Venue: Small Lecture Room

12:00 - 13:00 **Arrival and Light Lunch**

14:00 - 15:00 **Introduction and Welcome Note**

15:00 - 16:00 **Ice Breakers**

16:00 - 16:30 **Coffee**

16:30 - 18:30 **Workshop**

18:30 - 20:30 **The YAE Launch Party**

Venue: Krúdy Hall

AE SECTION INITIATED WORKSHOPS

14:00-17:00

AE HISTORY & ARCHAEOLOGY SECTION

(A1-1; Section Chair: Nikita Harwich, Class Chair: Svend Erik Larsen):

Venue: Library Small Lecture Room 2nd floor

How can History and Archaeology be handmaidens in defining a national or regional (in this case European) identity?

Convenor and Chair: **Nikita Harwich**

14:00-14:20 Csanád Bálint:

Nationalism and panhistorical perspective in Early Middle Age archaeology.

14:20-14:40 Rab Houston: Material culture and social practice: archaeology and history in understanding Europe's 'Celtic fringe'.

14:40-15:00 Robert von Friedeburg: The idea of State in Latin Europe as preserving the rule of law.

15:00-15:20 Discussion

15:20-15:40 Coffee break

15:40-16:00 Olga Katsiardi-Hering: The role of the archaeology in forming the Greek National identity and its embodiment in the European identity.

16:00-16:20 Rosa María Martínez de Codes: Reasonable accommodations in a secularized Europe in the face of integration challenges: the debate about legal pluralism and multiculturalism.

- 16:20-16:40** **Sverre Håkon Bagge:**
History and Archaeology in the perspective of
Ian Morris's works: how handmaidens may
interact.
- 16:40-17:00** **Discussion**

14:00-18:30

AE SECTION ON PHYSICS AND ENGINEERING SCIENCES

(B-3; Section Chair: Muhsin Harakeh, Class Chair: Donald
Dingwell)

Venue: Library Conference Room 2nd floor

**Inaugural Presentations by New Members of AE from Section B1-
3: Physics and Engineering Sciences**

Convenor and Chair: **Muhsin Harakeh**

Class Chair: **Donald Dingwell**

Co-convenor and Local Organizer: **Tamás Csörgő**

Open to the public: interested participants including interested
scientists, educators and educated people are kindly invited to
attend these presentations.

- 14:00-14:20** **Tamás Sándor Biró**
Beyond the exponential statistical factor
- 14:20-14:40** **József Gyulai**
From ion beam techniques to nanostructures
- 14:40-15:00** **Dario Vretenar**
Static and dynamic aspects of exotic
nuclear structure
- 15:00-15:20** **Katalin Kamarás**
Nano-containers and nano-scaffolds
- 15:20-15:40** **Isao Tanihata**
Opening a new view to the structure of nuclei

- 15:40-16:00** **László Gránásy**
Computational materials science:
From needle crystals to complex polycrystalline forms
- 16:00-16:30** **Coffee break**
- 16:30-16:50** **André Mischke**
The exploration of strongly interacting matter
- 16:50-17:10** **Vincenzo Greco**
Gazing at Matter above a Trillion degrees
- 17:10-17:30** **Takaharu Otsuka**
Beauty and the Quantum
- 17:30-17:50** **Boris Sharkov**
Acceleration of High-Brightness
Heavy Ion Beams for Generation of
Dense Plasmas
- 17:50-18:10** **Raimond Snellings**
Panta Rhei
- 18:10-18:30** **Hasan Mandal**
Grain Boundary Engineering for Improved
Mechanical Properties in SiAlON Ceramics

14:00-17:00

AE LITERARY AND THEATRICAL SECTION

(A1-4; Section Chair: Vladimir Biti, Class Chair: Svend Erik Larsen):

Venue: Concert Room

Sacrificial narratives

Convenor and Chair: **Vladimir Biti**

Participants:

- **Vladimir Biti**: Inverse ventriloquism – Hugo von Hofmannsthal's Sacrificial Narrative

- **Dagmar Burkhart:** Reduction to “bare life” in Imre Kertész’ “Fateless” and Varlam Shalamovs “Kolyma Tales”
- **Nevena Daković :** Serbian Mythomoteur as Sacrificial Narrative
- **Davor Dukić:** The Zriny Frangipani Conspiracy as a National Sacrificial Narrative
- **Marko Juvan :** The Aesthetic Sacrifice – Cultural Saints and the Literary Nation-Building
- **Renate Lachmann:** The authority of the witness – A virtual controversy between Agamben/Levi and the authors of Gulag narratives
- **Mladen Lazić:** „Mnemonic battles” over NATO bombing of Serbia – analyses and their critique
- **Jüri Talvet:** Literature’s Implicit Potency and the Need for Reflective Patience in Criticism

15:00-18:30

AE FILM, MEDIA AND VISUAL STUDIES (FMVS) SECTION

(A1-7; Section Chair: Kirsten Drotner, Class Chair: Svend Erik Larsen):

Venue: Council Room of the Presidium

Media as public good and a lever of sustainability

Convenor and Chair: **Kirsten Drotner**

Media as public good and as cultural heritage

Panel:

- **Nick Couldry**
- **Graham Murdock**
- **Liesbet van Zoonen**

Media culture as a lever of sustainability

Panel:

- Fausto Colombo
- Johan Fornäs
- Leopoldina Fortunati
- Anne Jerslev

4 SEPTEMBER 2017 | MONDAY

8:30-16:00

YOUNG ACADEMY OF EUROPE PRE-CONFERENCE SESSIONS

Venue: Small Lecture Room

10:00 - 10:30 Coffee Break

10:30 - 12:15 National Academies

12:15 - 13:00 Lunch

13:00 - 14:30 SAPEA

14:30 - 15:00 Coffee Break

15:00 - 16:00 YAE Research Talks

AE MEMBER INITIATED WORKSHOPS

9:00-13:00 TRAUMA MANAGEMENT, SEARCH FOR IDENTITY, SELF-IMAGES AND OTHERNESS IN EAST CENTRAL EUROPE AND BEYOND

Venue: Bolyai Room

Convenor and Chair:

- **Iván Zoltán Dénes**

Contributors:

- **Alessandro Cavalli**
- **Peter Cserne**
- **Iván Zoltán Dénes**
- **Rotem Giladi**
- **Gábor Gyáni**
- **Pablo Sánchez León**
- **Balázs Trencsényi**
- **Tomasz Zarycki**

9:30-13:00

AE LITERARY AND THEATRICAL SECTION

Venue: Szentágothai Room

(A1-4; Section Chair: Vladimir Biti, Class Chair: Svend Erik Larsen):

Story-telling and Resilience: The Function of Literature in the Overcoming of Trauma

Convenor and Chair:

- **Susana Onega**

Speakers:

- **Svend Erik Larsen**
- **Jean-Michel Ganteau**
- **Rosario Arias**
- **Chengzhou He**
- **Marina Grishakova**

**POST-
CONFERENCE
FIELD TRIP**

7 SEPTEMBER

THURSDAY

Post-conference geo-field trip to the Bakony-Balaton Highland area: insights into the local natural and cultural values accompanied with perfect wines

The one-day field trip allows participants to explore the charming Bakony-Balaton Highland area, situated in the northern side of Lake Balaton. The marvelous landscapes of the geologically and ecologically complex region, alongside with the robust historical heritage, provides a great opportunity to have a wonderful excursion only two hours from Budapest. Bakony-Balaton Highland is a unique mixture of Mediterranean and North-European vibes with its tidy vineyards, extensive lavender fields, majestic castles and mysterious dark forests. The unique programme reflects this diversity without an overwhelmingly tight schedule.

Departure time: at 7th September 2017, 9 am from Széchenyi tér in front of the HAS building

Arrival time: around 7th September 2017, 7 pm to Széchenyi tér in front of the HAS building

The programme includes the following steps:

STOP 1. | TIHANY PENINSULA

Tihany Peninsula is a one-time active volcanic area with little lake-centered moors. Nowadays the land is tranquil with grazing flocks of sheep and lavender bushes leaning in the wind, and nothing refers to the destructive volcanic eruption, except for the outcropping rocks which will be visited and introduced. The whitewashed towers of Tihany Benedictine

Abbey, located on a hilltop above Lake Balaton, can be seen even from tens of kilometers far. The deed of foundation for the Abbey was written in Latin but contains a Hungarian sentence (albeit quite different from the currently spoken form), which makes the document invaluable as the first written proof of Hungarian language. The panorama on the largest lake of Central Europe is said to be the best from the terrace located next to the Abbey.

STOP 2. | HEGYESTŰ AT ZÁNKA

The special, man-made, needle-like morphology of the basalt quarry reveals the core of an eruption center. The upstanding, tens of meters high, rigorous basalt columns grant a spectacular view in all weather conditions. Microstructure, mineralogical constituents of the Hegyestű basalt will be introduced. The top of the Hegyestű provides the most wonderful view to the Káli Basin and its so called “witness hills”, which preserved the original section of otherwise easily eroding sediments due to their basalt caps on the top.





STOP 3. | SZIGLIGET CASTLE

Szigliget Castle, which is located on a peninsula – previously an island – is often denoted as “the Pearl of Lake Balaton”. This fortress has been standing on the hilltop for centuries, experiencing many changes in owners. However, it has withstood several attacks during the 150-year Turkish occupation, and has never worn the flag of the Ottoman Empire. The volcanic rock beds still preserve remnants of former crater rims and particular rock fragments from the deep (down to 55 km) part of the Earth.

The programme contains culinary highlights too, including a traditional lunch and wine tasting at Borbarátok (Friends of Wine) in Badacsonytomaj.

Field trip organizer:

Dr Csaba Szabó

Lithosphere Fluid Research Lab (LRG),
Institute of Geography and Earth Sciences, and
Faculty of Science Research and Instrument Core Facility
(ELTE FS-RICF)

GENERAL INFORMATION

GENERAL INFORMATION

INTERNET ACCESS

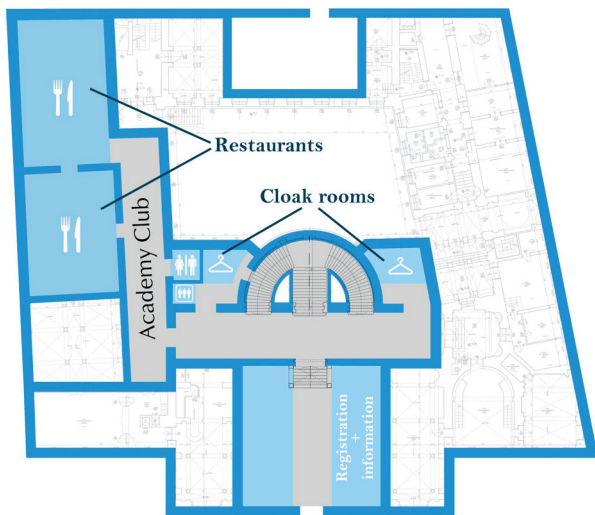
Participants of the event are provided with free internet access in the building of the Hungarian Academy of Sciences. To connect to the wireless network please use the following

SSID: AEALLEAYAE

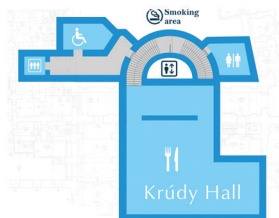
password: Budapest2017

MAP OF VENUE

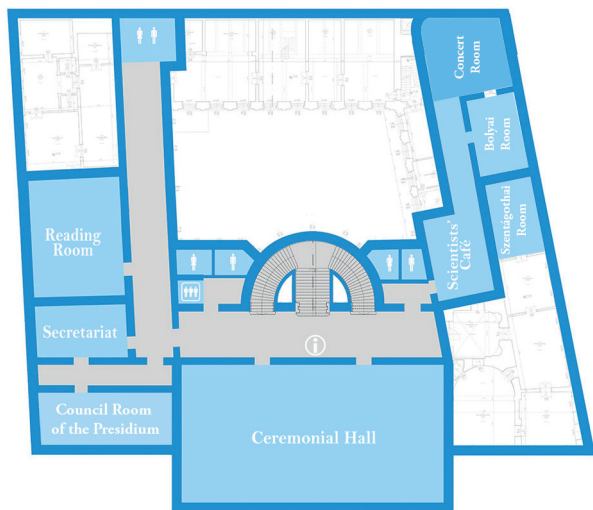
LEVEL 0



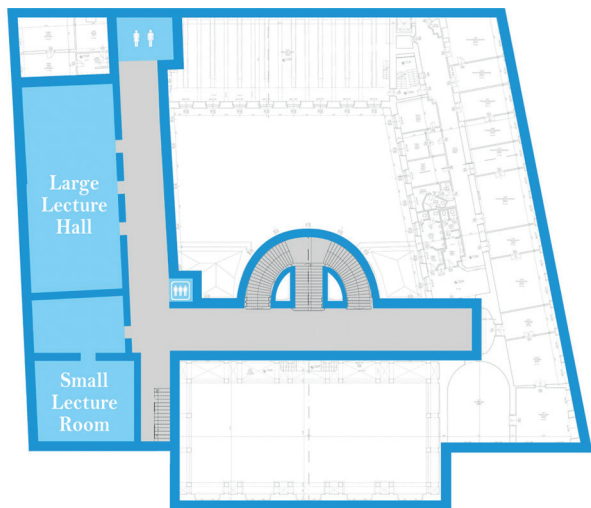
LEVEL -1



LEVEL 1



LEVEL 2







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