



INTERPRAEVENT

International
Research Society



Geschäftsbericht 2016

Business Report 2016

Klagenfurt, März/March 2017

Einleitung

Das Geschäftsjahr 2016 war durch die Vorbereitung und die Abhaltung des 13. Kongresses der Interpraevent vom 30. Mai bis zum 2. Juni 2016 in Luzern (Schweiz) geprägt. Auch wenn die Hauptlast der Arbeiten bei den Organisatoren in der Schweiz lag, so gab es von der Geschäftsstelle in Klagenfurt Unterstützung vor allem in Bezug auf die Abwicklung der Kongresspublikationen mit Hilfe der Editorialmanager Datenbank. Ausgesprochen arbeitsintensiv war das Redigieren der Kongressbände (Proceedings und Kurzfassungen).

Der Kongress wurde nach 1992 zum zweiten Mal in der Schweiz durchgeführt und stieß auf sehr grosses Interesse: Mit 586 Teilnehmenden aus 16 Nationen verzeichnete die INTERPRAEVENT einen neuen Teilnehmerrekord.

Tab. 1: Teilnehmer am 13. Kongress der IP.

Tab. 1: Participants at the 13th congress of IP.

Land / country	Anzahl / number
Schweiz / Switzerland	382
Österreich / Austria	70
Japan	35
Italien / Italy	26
Deutschland / Germany	19
Norwegen / Norway	16
Frankreich / France	10
Taiwan	10
Republic of Korea	4
Slowenien / Slovenia	4
Kanada / Canada	3
Schweden / Sweden	2
Liechtenstein	2
Tschechien / Czech Republic	1
Honduras	1
Kazakhstan	1
Total	586

Introduction

The financial year 2016 has been dedicated to the preparation and the 13th congress of Interpraevent, which took place from 30 May to 2 June 2016 in Lucerne (Switzerland). Although most of the work had to be done by the local organizing team, nevertheless the Interpraevent business administration supported them by means of managing the congress publications with the Editorialmanager database. Especially the editing of the congress volumes (Proceedings and Extended Abstracts) has been very labour-intensive.

After 1992 an Interpraevent congress has for the second time been held in Switzerland and obviously it was of outmost interest for many, many experts: a record number of 586 participants from 16 nations participated in this congress. Compared to past congresses this is the highest number of participants ever.



Abb. 1: Holzstele zur Erinnerung an den 13. Kongress in Luzern.

Fig. 1: Wooden stele to remind on the 13th congress in Lucerne

Congress publications

Extended Abstracts as well as Full Papers were digitally available for all

Kongresspublikationen

Sowohl die Kurz- als auch die Langfassungen der Kongressbeiträge standen bereits während des Kongresses den Teilnehmern digital zur Verfügung. Auf Nachfrage wurden die zwei Bände - Extended Abstracts mit 175 Kurzfassungen auf 375 Seiten und Conference Proceedings mit 108 Langfassungen auf 1013 Seiten - auch in gedruckter Form zur Verfügung gestellt.

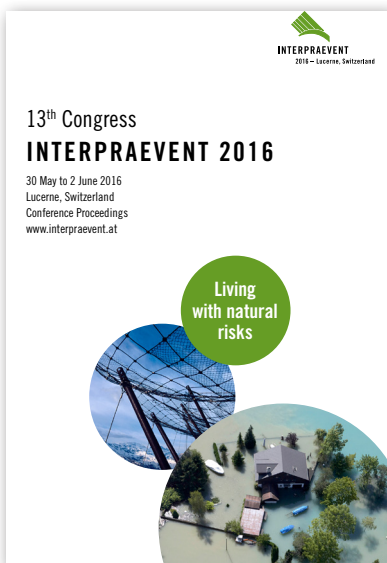


Abb. 2: Titelseite des Tagungsbandes mit den Langfassungen der schriftlichen Beiträge des 13. Kongresses in Luzern.

Fig. 2: Cover page of the proceedings volume with full papers of the 13th congress in Lucerne.

Jeder einzelne Beitrag - auch die Beiträge vom ersten Kongress an - können im Internet auf der Webseite www.interpraevent.at unter dem Menü "Interpraevent" -> "Service" -> "Publikationsdatenbank" gefunden und heruntergeladen werden.

Gewinner des / Winner of the Studentposter Award 2016:

1st place: Verena EICHENBERGER (WSL Birmensdorf, Switzerland) "Rockfall: Does rock shape matter? Comparison of RAMMS::Rockfall simulations with visual scar assessment on trees - A case study from the Meretschibach area."

2nd place: Isabella SCHALKO (ETH Zürich, Switzerland) "Backwater rise due to driftwood accumulation."

3rd place: Bernhard ELSNER (Univ. of Innsbruck, Austria) "Mapping and Assessment of Large-Scale Landslides Based on Airborne LIDAR Data (Tyrol, Austria)."

participants already at and during the congress. The two printed volumes - 175 Extended Abstracts printed on 375 pages and 108 Conference Proceedings (Full Papers) printed on 1013 pages - were only available on demand (this had to be ordered already during congress registration).

Each single written contribution - even from the first congress on - can be found on the internet and downloaded digitally at www.interpraevent.at under the menu "Interpraevent" -> "Service" -> "Database of Papers".

Student Poster Award

Even at the 13th congress 2016 in Lucerne the Student Poster Award has been granted for the best student posters. In doing so all 19 registered student posters were displayed well visible next to the other 220 "normal" posters. The jury were all participants and they assessed each student poster.

The prizes have been donated with €1500,- for the first, €1000,- for the second and €500,- for the third place. The first and the second place went to participants from Switzerland and the third place went to a participant from Austria.

Summit 2016

It is nearly a tradition that the Summit is held in the frame of each Interpraevent congress. Therefore representatives of the Interpraevent members meet to discuss actual problems and the point of view in the different countries.

For the Summit 2016 the participants were provided with a summary of the main congress results already in advance of the congress. This summary has been prepared by the STAB based

Student Poster Award

Auch beim 13. Kongress 2016 in Luzern wurden wieder Preise für die besten Studentenposter vergeben. Dabei wurden die 19 angemeldeten Studentenposter gut sichtbar neben den weiteren insgesamt 220 Postern ausgestellt. Die Jury waren die Kongressteilnehmer und diese bewerteten jedes einzelne Studentenposter.

Die Preise wurden mit € 1500,- für den ersten, € 1000,- für den zweiten und € 500,- für den dritten Platz dotiert. Der erste und zweite Platz gingen an Teilnehmerinnen aus der Schweiz und der dritte Preis an einen Teilnehmer aus Österreich.

Summit 2016

Fast schon traditionell wird im Zuge jedes Interpraevent Kongresses auch ein Summit abgehalten. Dabei treffen sich die Vertreter der Interpraevent Mitglieder um aktuelle Problemstellungen und die Sichtweise in den verschiedenen Ländern zu diskutieren.

Für den Summit 2016 wurde den Teilnehmern bereits vor dem Kongress eine Zusammenfassung der wichtigsten Kongressergebnisse (auf Basis aller publizierten Kongressbeiträge vom WTB vorbereitet) zur Verfügung gestellt. Diese Zusammenfassung wurde aus Sicht jedes einzelnen Interpraevent Mitgliedes bei einem gemeinsamen Arbeitsessen diskutiert. Eine Zusammenfassung dieser Diskussion mit den zentralen Ergebnissen und dem Ausblick findet sich im Anhang dieses Geschäftsberichtes.



Abb. 3: Die Gewinner des Interpraevent Studentposter Awards 2016 mit dem Initiator Prof. Hans Kienholz, der Leiterin des WTB, Niki Beyer Portner und dem Präsidenten Kurt Rohner.

Fig. 3: The winners of the Interpraevent Studentposter Award 2016 together with the initiator Prof. Hans Kienholz, the head of the IP STAB, Niki Beyer Portner and the president Kurt Rohner.

on all published contributions, and each Interpraevent member had the chance to discuss its point of view at a common dinner. A comprehension of this discussion with the central results and an outlook can be found in the annex of this business report.



Abb. 4: Der Summit 2016 wurde während des Kongresses in Luzern (CH) im Rahmen eines Arbeitsessens abgehalten.

Fig. 4: The Summit 2016 has been held during the congress in Lucerne (CH) in the frame of a "business dinner".

INTERPRAEVENT Kongress 2018 in Toyama, Japan

Der offizielle Internetauftritt für den IP Kongress 2018 in Toyama, Japan (1. bis 4. Oktober 2018) ist unter www.interpraevent2018.jp abrufbar. Dort findet sich auch der Zeitplan, welcher von den Organisatoren so angepasst wurde, dass noch bis Ende April 2017 Kurzfassungen eingereicht werden können.

Um die Marke Interpraevent auch bei den Kongressen im pazifischen Raum unverwechselbar zu präsentieren, wurde entschieden das Kongresslogo entsprechend, des Logos für den Kongress 2016 in Luzern zu gestalten.



Abb. 5: Das offizielle Logo des Kongresses 2018 in Toyama (JP).

Fig. 5: The official logo of the congress 2018 in Toyama (JP).

Den lokalen Organisatoren wurde zugesagt, dass wieder drei WTB Mitglieder zur Unterstützung für das Reviewing und auch zur Teilnahme am Kongress 2018 entsendet werden können.

Veranstaltungen und Unterstützungen durch die INTERPRAEVENT

IWP – Integrative Wasserbauliche Praxisgespräche zum Thema "Instandhaltung und Pflege von Fließgewässern"

Auf Initiative des Planungsbüros REVITAL wurde ein Workshop mit dem Thema "Instandhaltung und Pflege

INTERPRAEVENT CONGRESS 2018 in Toyama, Japan

The official web page for the IP congress 2018 in Toyama, Japan (to be held from 1 to 4 October 2018) can be reached under www.interpraevent2018.jp. There you can find the actual schedule, which has been adapted by the organizers, so that extended abstracts can be submitted until the end of April 2017.

To present the brand Interpraevent unmistakable even at the congresses in the Pacific Rim, it has been decided to prepare the congress logo based on the (simple) design, which has been used for the 2016 congress.

Furthermore it has been decided that again the STAB can send three members to support the reviewing as well as to participate in the congress 2018.

Events and supports by INTERPRAEVENT

IWP - Integral Expert Exchange, Workshop on "maintenance of rivers"

On the initiative of a professional engineering company (REVITAL) a workshop concerning different aspects of river maintenance has been held on 19 October May 2016 in Lienz, East Tyrol (Austria). 37 people from practice (professional engineers, colleagues from the administration) and science participated. Interpraevent financially supported this international event with participants coming from Austria, Germany, Switzerland and Italy.

3rd Interpraevent think tank

The third IP think tank has been held in April 2016 (combined with the chair meet-

von Fließgewässern" organisiert. Der Workshop wurde am 19. Oktober 2016 in Nussdorf bei Lienz (Osttirol) abgehalten. 37 Personen aus Wissenschaft und Praxis (Planungsbüros, WLW und Wasserbauverwaltung) nahmen daran teil. Interpraevent unterstützte diesen internationalen Workshop mit Teilnehmern aus Deutschland, Österreich, Südtirol und der Schweiz.

3. Interpraevent Think-Tank

Der dritte IP Think-Tank wurde im April 2016 (in Kombination mit der Präsidiumssitzung 1/2016) unter dem Thema "Umgang mit dem Überlastfall" abgehalten. Präsentationsunterlagen können vom Sekretariat der Interpraevent bezogen werden.

4. Interpraevent Think-Tank

Der vierte IP Think-Tank wurde im November 2016 (in Kombination mit der Präsidiumssitzung 2/2016) unter dem Thema "Zukunft der Interpraevent" abgehalten.

INTERPRAEVENT Intern

Prof. Hideaki Marui geht in den verdienten Ruhestand

Prof. Hideaki Marui scheidet nach langjähriger Tätigkeit in den verschiedensten Gremien der Interpraevent nunmehr endgültig aus allen Funktionen aus. Maruis wichtigsten Stationen innerhalb der Interpraevent waren folgende:

- Mitinitiator der Mitgliedschaft Japans
- Mitglied im WTB (1993 - 2012)
- Vorstandsmitglied (1999 -2012)



Abb. 6: Teilnehmer am Instandhaltung Workshop in Nussdorf bei Lienz.

Fig. 6: Participants at the "maintenance" workshop in Lienz (Austria).

ing 1/2016) under the topic "dealing with the case of overload". Presentation slides can be gained from the Interpraevent secretary.

4th Interpraevent think tank

The fourth IP think tank has been held in November 2016 (combined with the chair meeting 2/2016) under the topic "the future of Interpraevent".

INTERPRAEVENT internal

Farewell to Prof. Hideaki Marui

After many years of commitment, Prof. Hideaki Marui is now retiring from all his functions in the various committees of Interpraevent. Maruis's most important stations within Interpraevent were:

- *Joint initiator of Japan's membership*
- *Member of the WTB 1993 to 2012*
- *Member of the Board 1999 to 2012*
- *Vice President of IP 2012 to 2016*
- *Major contributor to the organisa-*

- Vizepräsident der IP (2012 -2016)
- Maßgeblicher Mitorganisator der IP Kongresse: IP 2002 in Matsumoto, IP 2006 in Niigata, IP 2010 in Taipeh, IP 2014 in Nara und IP 2018 in Toyama.

Die Internationale Forschungsgesellschaft Interpraevent bedankt sich bei Prof. Marui für sein herausragendes Engagement. Wir bedanken uns vor allem dafür, dass Prof. Marui als "Botschafter" aufgetreten ist, als der er Interpraevent im pazifischen Raum etabliert hat.



Abb. 7: Prof. Hideaki Marui geht in den Ruhestand.

Fig. 7: Prof. Hideaki Marui retires.

tion of the IP Congresses: IP 2002 in Matsumoto, IP 2006 in Niigata, IP 2010 in Taipei, IP 2014 in Nara and IP 2018 in Toyama.

The International Research Society Interpraevent is grateful to Marui for his extraordinary engagement. We especially thank Marui for being the ambassador as who he established Interpraevent in the Pacific Rim.

Business and Summit reports: digital download

All annual business reports back to the year 2005 can be found digitally on the internet at www.interpraevent.at under the menu "Interpraevent" -> "business reports". Furthermore the results of all IP Summits can be found at www.interpraevent.at under the menu "Service" -> "Downloads" -> "General documents" -> "Summits".

Geschäftsberichte und Summit Ergebnisse digital zum Nachlesen

Alle Geschäftsberichte ab dem Jahr 2005 können im Internet auf www.interpraevent.at unter dem Menü "Interpraevent" -> "Geschäftsberichte" heruntergeladen werden. Die Ergebnisse der IP Summits finden sich auf www.interpraevent.at unter dem Menü "Service" -> "Downloads" -> "General documents" -> "Summits".

Sitzungen

Während des abgelaufenen Geschäftsjahres fanden in den verschiedenen Gremien folgende Sitzungen statt:

- ❑ die 39. Generalversammlung gemeinsam mit der Vorstandssitzung 1/2016 am 22. April 2016 in Klagenfurt (A).
- ❑ zwei Sitzungen des erweiterten Präsidiums am 21. April 2016 und am 16. November 2016 in Klagenfurt (A).
- ❑ der 3. IP Think-Tank am 21. April 2016 und der 4. IP Think-Tank am 17. November 2016 in Klagenfurt (A).
- ❑ der Interpraevent Summit 2016 (abgehalten im Zuge des 13. Interpraevent Kongresses in Luzern) am 1. Juni 2016.
- ❑ zwei Sitzungen des wissenschaftlich-technischen Beirates am 1. Juni 2016 in Luzern (CH) und am 7. Oktober 2016 in Padova (I).
- ❑ zwei Sitzungen des Organisationskomitees (OK) für den 13. Kongress jeweils beim Bundesamt für Umwelt (BAFU) in Ittigen bei Bern (CH) und eine Abschlussbesprechung nach dem Kongress in Bern (CH):
12. OK-Sitzung: 20. Jan. 2016
13. OK-Sitzung: 6. April 2016
OK - Abschluss: 20. Juni 2016

Meetings

These are the meetings, which took place in the different bodies during the past financial year:

- ❑ *the 39th General Assembly together with the board meeting 1/2016 on 22 April 2016 in Klagenfurt (A).*
- ❑ *two meetings of the extended chair on 21 April 2016 and on 16 November 2016 in Klagenfurt (A).*
- ❑ *two IP think tanks: the 3rd IP think tank on 21 April 2016 and the 4th on 17 November 2016 in Klagenfurt (A).*
- ❑ *the Interpraevent Summit 2016 (held during the 13th Interpraevent congress in Lucerne) on 1 June 2016.*
- ❑ *two meetings of the Science & Technology Advisory Board - on 1 June 2016 in Lucerne (CH) and on 7 October 2016 in Padova (I).*
- ❑ *two meetings of the organizing committee (OC) of the 13th Interpraevent congress, each at BAFU (FOEN) in Ittigen (CH) and one closing meeting after the congress in Berne (CH):*
12th OC-meeting: 20 Jan. 2016
13th OC-meeting: 6 April 2016
OC - closing: 20 June 2016

**INTERPRAEVENT**International
Research Society**MINUTES**
of the IP 2016 summit

- Date: 1 June 2016
- Time: 8 PM to 10:30 PM
- Place: Edizioni Galleria Periferia, Unterlachenstrasse 12, 6005 Lucerne, Switzerland
- Delegates: **Austria** (BMLFUW):
Florian Rudolf-Miklau and Catrin Promper
- France** (IRSTEA):
Didier Richard and Dominique Laigle
- Germany** (Bavaria, State Ministry and LfU)
Christian Wanger and Andreas Rimböck
- Italy** (South Tyrol,)
Sandro Gius and Willigis Gallmetzer
- Japan** (MLIT – Ministry of Land, Infrastructure and Technology + others)
Takayuki Nagai, Masaru Kunitomo, Yoshiharu Ishikawa, Hideaki Marui,
Koji Kamee and Taro Uchida
- Norway** (NWE – Norwegian Water and Energy Directorate)
Hallvard Berg
- Slovenia** (hidrotehnik company)
Jože Papež
- Switzerland** (FOEN – Federal Office for the Environment)
Sepp Hess and Roberto Loat
- Taiwan** (National Chung Hsing University and Sinotech)
Su-Chin Chen and Ting-Chi Tsao
- IP STAB: Niki Beyer Portner (head of STAB)
- Chair: Kurt Rohner (IP president) and Gernot Koboltschnig (IP business manager)



The invitation for the IP 2016 summit has been sent out on 15 January 2016 by the Interpraevent business management. Based on all submitted papers for the 13th congress the Interpraevent STAB (scientific and technology advisory board) prepared a summary, first for each of the 5 topical sections:

- Risk governance and policies
- Data acquisition and modelling
- Hazard and risk assessment
- Hazard and risk mitigation
- Emergency management

Furthermore Niki Beyer Portner compiled a paper of two pages out of these summaries to get an compilation of the main findings and future needs. This overall summary of the IP 2016 congress contributions has been sent out on 3 May 2016 to the delegates of the summit IP 2016. Invited participants were delegates of each Interpraevent member. Delegates were asked to prepare a short feedback to these findings.

With this protocol we would like point out the main statements of the participants of the summit IP 2016.

Austria:

The Austrian delegation basically agrees with the summit paper. A few comments concerning the wording should be implemented (a commented paper has been delivered). Furthermore the societal aspects of risk governance should be emphasized as part of the governmental focus.

France:

The French delegation basically agrees with the summit paper. Furthermore there are needs concerning questions on the capacity of resilience, how to deal with risk evolution, the efficiency of risk-reducing measures (structural and non-structural).

Germany:

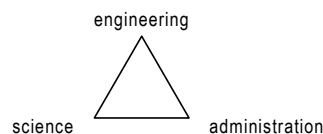
The German delegation basically agrees with the summit paper. There were really good presentations in the section "Data acquisition and modelling" but critical statements on the limits of models are missing. In the section "Hazard and risk assessment" it has been shown that it is most important to work within the risk cycle and risk governance is a necessary "tool" to reach the goal of risk reduction. In that concern we should further discuss an increased exchange of the EUSALP process, PLANALP and Interpraevent.

Up to now we know the aim but we cannot reach it yet.

Further questions in this regard will be how to prevent an increase of vulnerability and if stronger technical and legal rules could be a part of the solution.

Italy:

The Italian delegation basically agrees with the summit paper. Generally it should be added that collaboration takes place in a triangle:





Merging of available databases is absolutely necessary. For this reason the presentation “Storm and Flood Warnings issued by Switzerland's Specialist Federal Agencies” of Sabrina Lang and David Volken was a very good example.

Concerning maintenance: the major question is if we have enough money? An increased investment into non-structural measures is necessary. Furthermore there is a need to merge the EU – flood directive and the EU-water frame work directive. Due to societal changes it is necessary that we work target group oriented and that we have experts for communication available.

In South Tyrol the main sectors of the risk cycle came closer as the civil protection and the protection agency were merged.

Japan:

The Japanese delegation basically agrees with the summit paper. In Japan an increase of vulnerability can be observed. Therefore a new law has been enacted. One central question for the moment is how the life-cycle of structural measures can be increased.

Norway:

Norway basically agrees with the summit paper. The main strategic effort in the moment is, how society can be made (more) aware and capable. There is a need for the following tasks:

- Build capacity and competence in municipalities, in companies and even in the broad public.
- Join forces in all sectors and levels.
- Improve the cooperation with civil protection.
- Improve the access and exchange of data.
- With a focus on small catchments: holistic approach to integrate as much actors as possible.

Within the Interpraevent network there is a need for additional workshops on specific topics.

Slovenia:

Slovenia basically agrees with the summit paper. Furthermore there is a need for the following tasks:

- Maintenance of structural measures needs to be accurate and timely.
- The communication between “prevention” and “emergency management” should be improved.
- Emergency management: response units take over a huge part of the risk-cycle -> how can Interpraevent attract them more?

Switzerland:

The Swiss delegation basically agrees with the summit paper. Furthermore there is a need for the following tasks:

- The aspects of governance should be more stressed in future.
- There is a need of an increased stakeholder involvement.
- Even pluvial floods and urban floods are damaging processes -> focus on that in future.
- Life-cycle costs of structural measures need to be taken into account.
- Improved local emergency measures.
- Continue the combination of mitigation and ecological measures.

**Taiwan:**

The Taiwanese delegation basically agrees with the summit paper. Especially from disasters in Taiwan it can be learned that there are several levels of disasters. Therefore there is often a need for a completely “fresh start” of considerations for protective measures. Hence good cooperation and exchange of knowledge can help.

Finally all delegates decide that the summary of the Summit 2016 can be taken as it is when the last sentence (after the punctuation) will be deleted. The main statements should be added in the end of the summary paper:

- Risk governance needs to be promoted on all sectors and levels. All target groups have to be reached.
- The maintenance of structural measures has to be adequate and timely.
- The exchange of knowledge and the good (international) cooperation needs to be continued.
- Due to increasing damages another focus on pluvial and urban floods is needed.
- Switzerland runs a system of cooperating with insurances in natural hazards management. This good example is valuable to the Interpraevent network.

Protocol by Gernot Koboltschnig, July 2016

