



ITA COSUF

General Assembly 2013

Centre International de
Conférences | Geneva | 4 June 2013



Agenda

1. Welcome
2. Development of ITA COSUF since GA 2012
3. Reports from the Activity Groups
4. Membership
5. Finances (balance 2012 and budget 2013)
6. Outlook
7. Election of new chairman
8. Date and place of next workshops and GA
9. Miscellaneous



Mission Statement



ITA COSUF aims at being the
Centre of Excellence
for world-wide exchange
of information and know-how
regarding safety and security
of underground facilities



Strategic positioning



A **particular role** in underground safety/security due to:

- **Scope** (covers all underground facilities)
- **Membership** (authorities, consultants, research, industry, contractors, operators, safety officers, etc.)
- **Focus** (devoted to underground safety only)

→ ITA COSUF is unique and should be **the platform for communication** on operational safety and security underground



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Development since GA 2012

Developments / improvements in organisation and strategy:

- New SB members (elected by ITA GA 2012):
 - Johan Bosch, Roberto Ardit, Haukur Ingason, Gary Clark, Max Wietek
- New Chairman (*later today*)
- Summary of COSUF organisation (approved by SB, posted on website)
- Summary of COSUF strategy and activities (under discussion by SB)
- New version of leaflet to be finalised soon



Development since GA 2012

Developments / improvements in organisation and strategy:

- Current website permanently updated - new website to be developed, further to ITA new website
- Publication on COSUF website of papers for discussion:
 - Reports prepared by activity groups: new AG2 recommendation on performance-based fire safety design of underground rail systems.
 - Papers written by AG members and accepted for discussion by the relevant AG
- Yearly ITA COSUF Award (*later today*)



Development since GA 2012

ITA COSUF open workshop

Rome, 22 June 2012:

*80 participants from
14 different countries*



This symposium was very lively and successful



ITA-COSUF General Assembly 2013

Development since GA 2012

AETOS, ITA COSUF, ATC and PIARC:

Madrid, 26 October 2012

*More than 80 participants
(26 COSUF members)*



Another successful workshop (with site visit to Madrid Calle 30 control room)



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Development since GA 2012

13th World Conference of ACUUS, Singapore, 7-9 November 2012 *(Associated Research Centres for Urban Underground Space)*

Underground Space Development – Opportunities and Challenges

One-day workshop organised by COSUF on “Safety and Security of Complex Underground Infrastructures”



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Development since GA 2012

Co-operation with ITACET for training sessions

- ITA CET Seminar on Modern Techniques of Design, Construction and Operation of Road and Metro Tunnels, 9-13 november 2012, Shanghai (Nils Peter Hoj)
- ITA CET Seminar on Safety in Urban Transport Tunnels, 3-4 February 2013, Riyadh (Pierre Schmitz, A. Marchais, Felix Amberg)



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AG 1 Interaction with European and International Initiatives

Ben van den Horn (Arcadis, NL)

AG1 leader



AG 1 Members

AG1 has 5 active members

- Ben van den Horn (NL)
- Didier Lacroix (F)/Eric Premat (F)
- Felix Amberg (CH)
- Niels-Peter Hoj (CH)
- Arild Sovik (N)



AG 1 Main objectives

- ➔ Identify relevant initiatives outside COSUF and liaise to attract COSUF members;
- ➔ External communication;
- ➔ Coordination of information exchange within COSUF;
- ➔ Influence initiatives outside COSUF related to operational safety.



AG 1 Performed activities

- Assistance in the preparation of:
 - the Workshop in Rome in June 2012.
 - the Workshop in Madrid in June 2012.
- Steering Board Support in the Development of ITA COSUF, e.g. (ITA COSUF Award 2012).
- Communication: 3 ITA COSUF Newsletters were distributed and can be found on the COSUF website.



AG 1 Plans for 2013 - 2014

Amongst others:

- Help organizing future COSUF events and meetings with site visits of safety-related projects (Prague, Fall 2013):
- Promote ITA COSUF in the international safety community (PIARC, UITP, etc),
- Co-organise future events with other platforms
- Produce three ITA COSUF Newsletters annually.



AG 2 Regulations & Best Practice

*Stig Ravn (COWI, DK) &
Peter Reinke (HBI, CH)
AG2 co-leaders*



AG 2 Regulations & Best Practice

Objectives

- to collect and distribute information on:
 - existing national and international regulations
 - recognised recommendations
- to establish the best practice for safety (& security) of underground facilities



AG 2 Regulations & Best Practice

Current Activities

Stream	Description	Responsible	Status
Smoke control for metro systems	1.Summarize the current European Norms to show “gap” in legislation 2.Develop a set of recommendations 3.Present to relevant stakeholders	Peter Reinke	Draft publication on the COSUF website 2013
Disabled persons in emergency scenarios	1.Technical specifications for exits 2.Best practice / existing recommendation based on studies 3.Best practice / existing recommendation in other countries	TBN	Dormant (Awaiting a task leader)
Recommendation of Platform screen doors	Produce recommendations on Platform Screen Doors	Dirk Sprakel	Draft version should be available for comments by the AG2 members in 2013



AG 2 Regulations & Best Practice

Membership and meetings

- AG 2 has about 18 members/correspondents
- AG 2 meetings typical participation: 6-10
- AG 2 work publications are normally public
- Reporting by decision of SB + AG



AG 2 Regulations & Best Practice

Plans for next year

- Actively work towards presenting COSUF Best Practice Paper on the chosen subject
- Undertake survey of existing regulations for Rail and Metro systems
- Attempt to restructure the AG such that activity in towards the AG is encouraged
- Grow the AG group with Invitation of individuals being specifically interested in certain topics



AG 3 Research and new findings

Götz Vollmann (RUB, DE)

AG3 leader



AG 3 Research and new findings

Main actions within AG3

- Exchange information about R+D activities worldwide
- Up-to-date awareness of latest R+D results
- Initiate + support scientific work on subjects with high actuality
- Indicate research opportunities
- Networking for future research consortia



AG 3 Research and new findings

Performed Activities

- Overview of ongoing research projects on safety and security in underground spaces
- Presentations of ongoing R+D activities of AG3 members
- Participation in current safety & security calls within FP7
- Workshop preparation



AG 3 Research and new findings

Next Activities

- Master-Thesis regarding the numerical evaluation and prediction of concrete spalling under tunnel fires
- Joint work of at least three partners from AG3 (TLB – supervision; EMI – Hydrocode simulation, VSH – fire tests)



AG 3 Research and new findings

Next Activities

- Preparation of proposals for Horizon 2020
- Preparation of COSUF-related publications



AG 3 Research and new findings

Next Activities

- Restructurization of AG3
 - Preparation of a new mission statement
 - Definition of new working cycles and topics



AG 3 Research and new findings

Members

- AG 3 has about 22 members/correspondants
- AG 3 meetings typical participation: 10 – 15
- AG 3 work results are for COSUF members

Contact: goetz.vollmann@rub.de



AG 4 European forum for road tunnel safety officers

Johan Bosch (RWS, NL)

AG4 leader

- Goals AG 4
- Activities
- Organization of 3rd European TSO Forum



AG 4 GOALS

- Facilitating exchange of experience between TSO's by:
 - Planning and organizing a biannual European TSO Forum
 - Establishing best practices for TSO's on tasks and functions



AG 4 Activities

- 1st TSO Forum: Lyon, November 4-5, 2009
- 2nd TSO Forum: Brussels, January 18, 2012
- Several meetings of AG 4 to prepare the 3rd Forum on European TSO's (Rome, Madrid & Geneva)

3rd Forum

Working title: **“Tunnel safety, a joint effort”**

Planning: February 2014, two day event



AG 4 Organization of the 3rd European TSO Forum

- Preliminary outline 3rd Forum:
- Plenary session on Multi disciplinary exercise
 - (experiences, effectiveness & possible improvements)
- Workshops on:
 - Maintenance & tunnel safety
 - Training for communications
 - Critical safety functions
 - Increasing complexity of tunnel

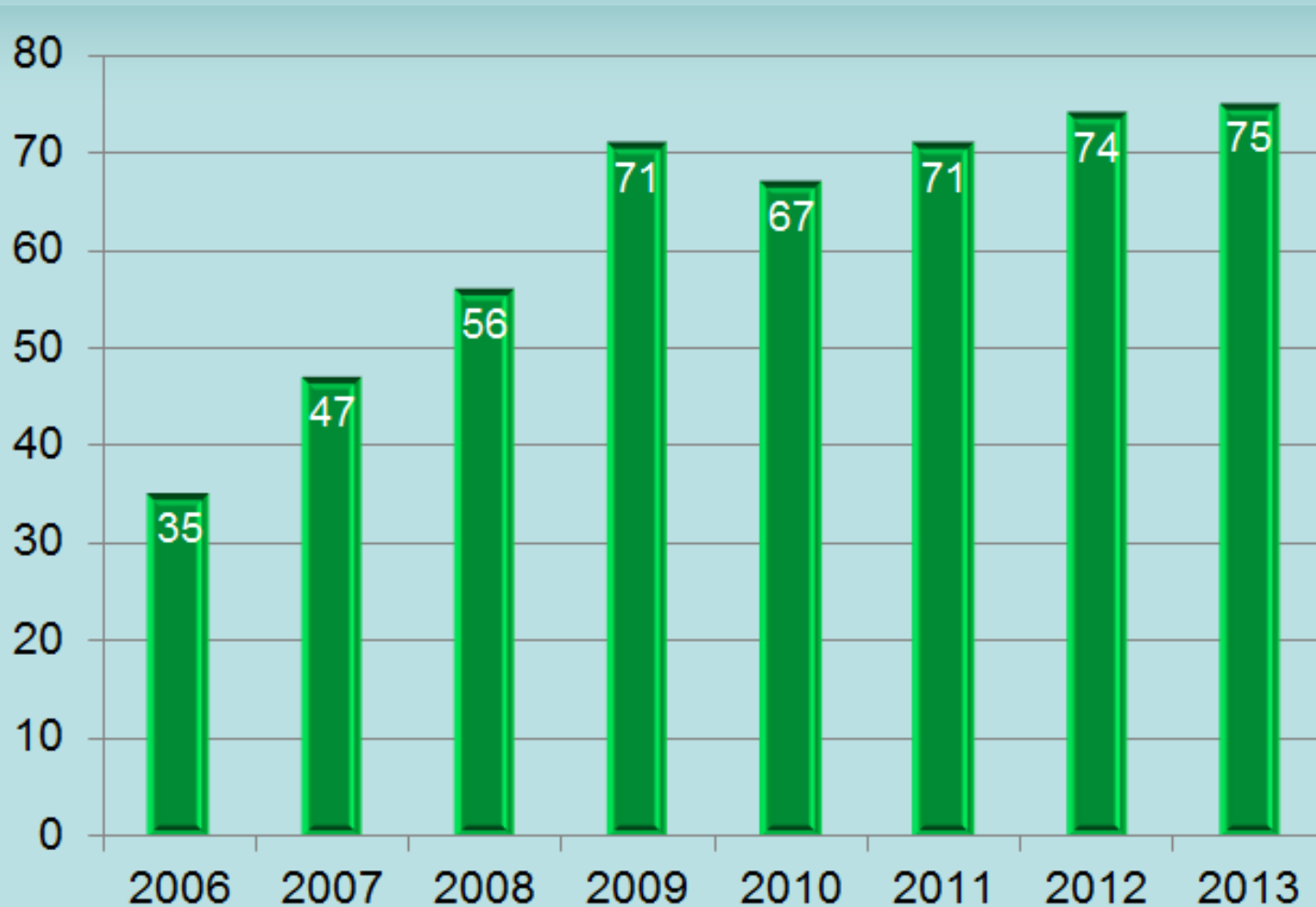


Agenda

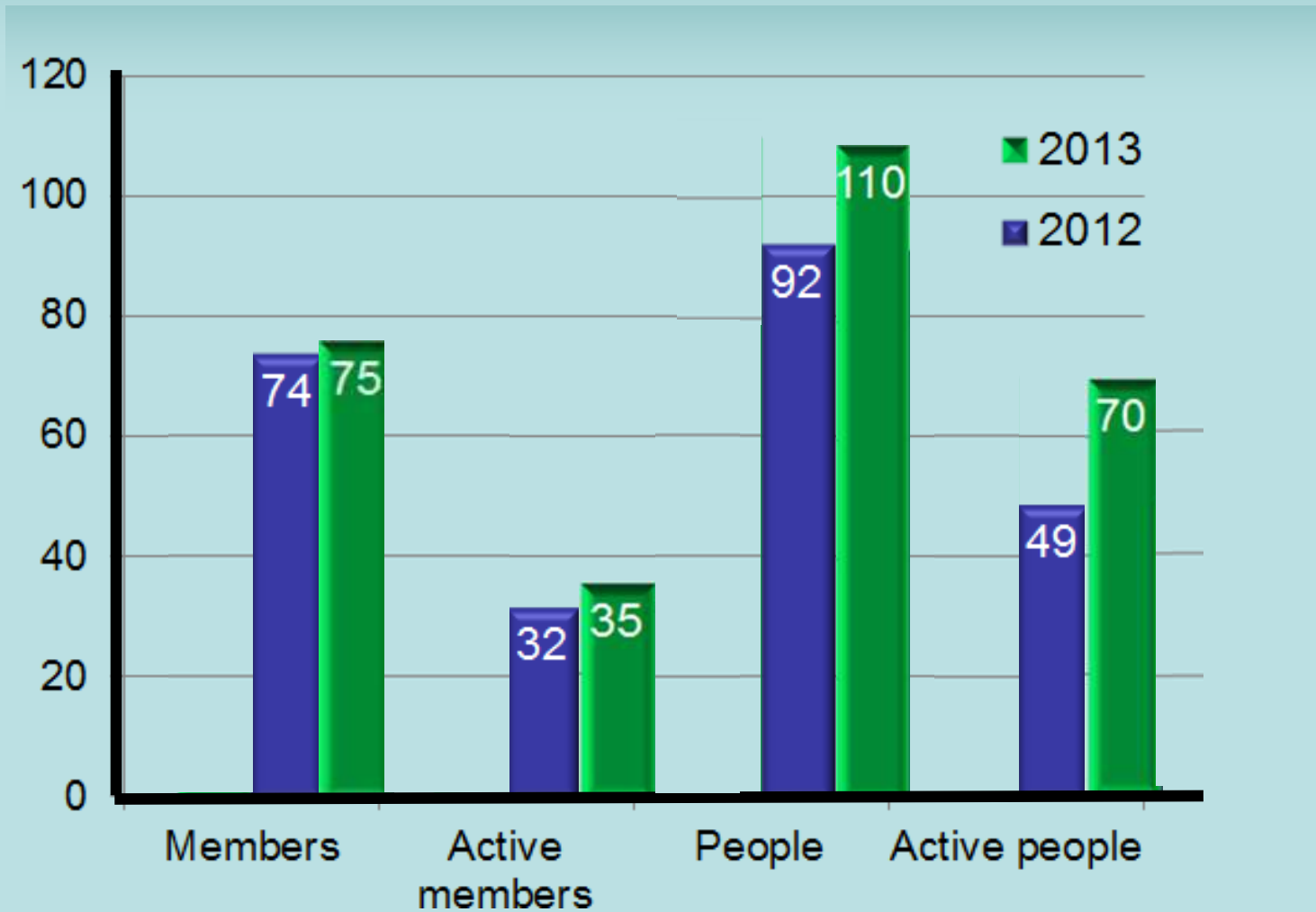
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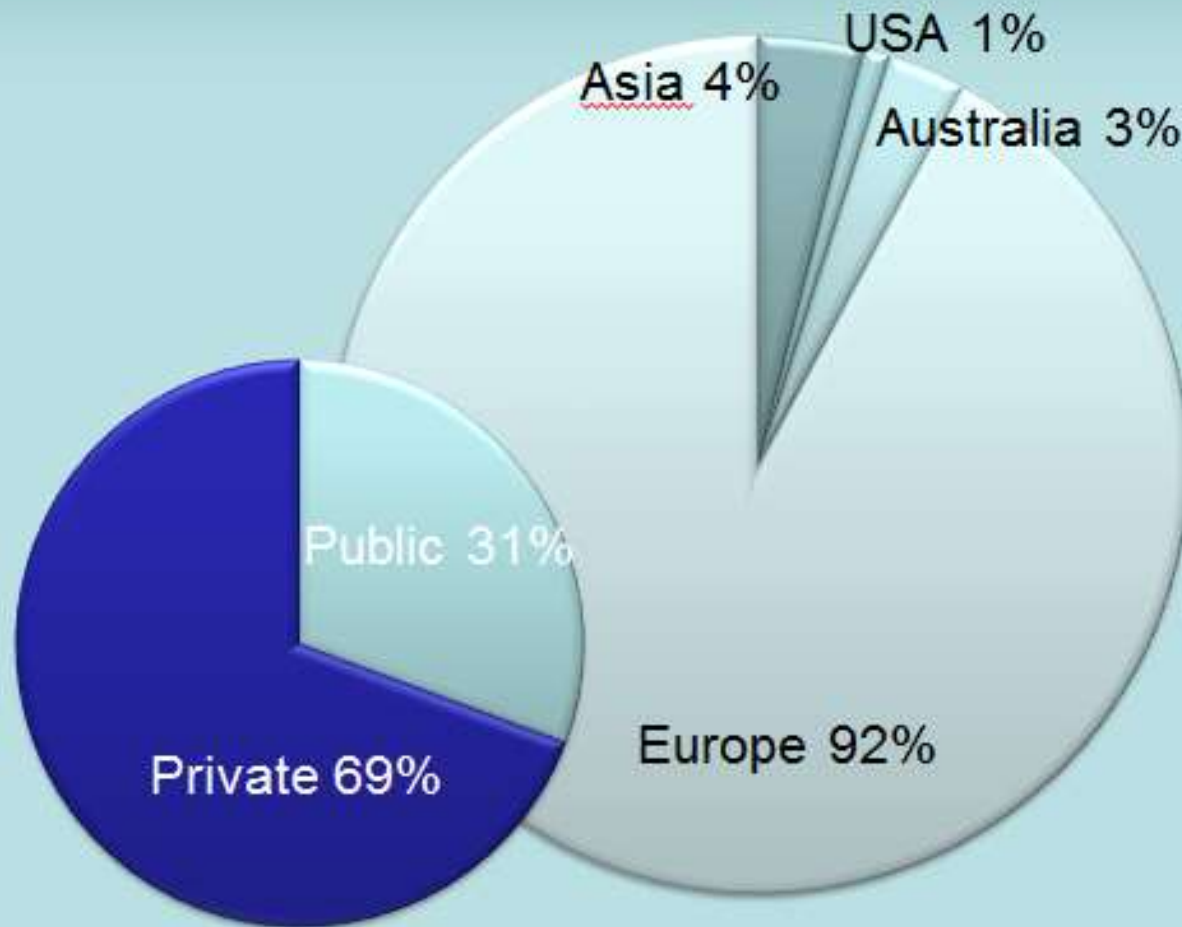
Development of membership [1/2]



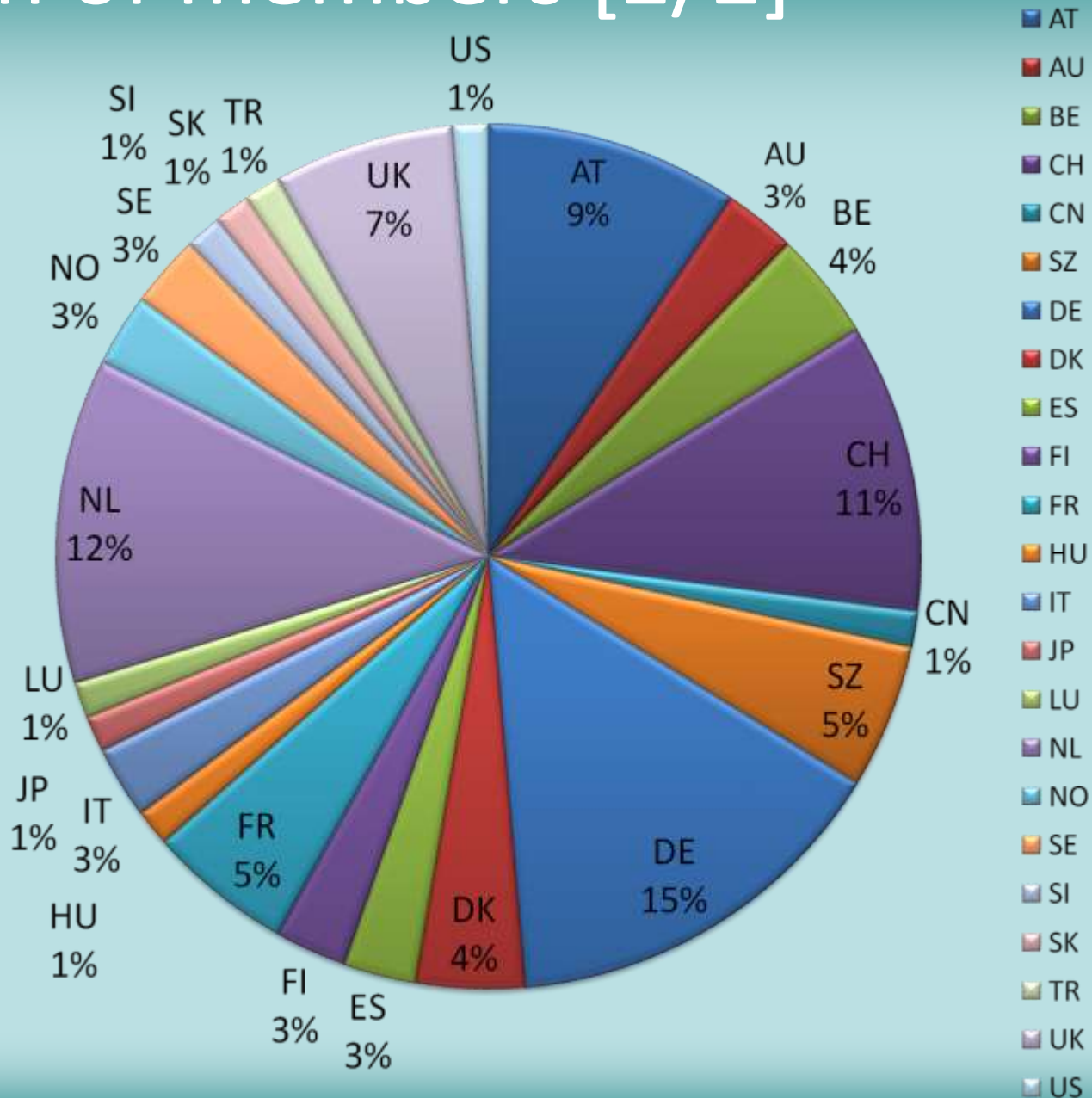
Development of membership [2/2]



Origin of members [1/2]



Origin of members [2/2]



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Finances 2012 / 2013

ITA COSUF Financial details		2012 Planned Budget		2012 Realised Budget		2013 Planned Budget	
		income	expenses	income	expenses	income	expenses
	INCOME						
1	Member fees	25.000,00		23.187,50		25.000,00	
2	Fees Workshop	6.000,00		7.728,55		0,00	
3	EC contribution AG4 (TSO forum)	5.000,00		4.900,00			
	EXPENSES						
4	AG1, AG2, AG3, AG4		9.000,00				9.000,00
5	Workshops, GA and meetings		15.000,00		7.665,85		15.000,00
6	Communication, publications, PR, website		3.000,00		1.255,31		13.000,00
7	ITA Secretariat Expenses		4.000,00		2.400,00		4.000,00
8	COSUF Secretariat		4.000,00		4.000,00		4.000,00
9	Miscellaneous		1.000,00				1.000,00
10	Result				20.494,89	21.000,00	
	Total	36.000,00	36.000,00	35.816,05	35.816,05	46.000,00	46.000,00



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Outlook into 2013/2014

➤ **ITA COSUF Workshops:**

- **Prague (Czech Republic), 30 September 2013**
(technical visit to the Blanka Tunnel)
- **Düsseldorf, Spring 2014**

➤ **AG and SB meetings at Workshops** (and possibly in-between)

➤ **ITA COSUF Award 2014**

➤ **Support and participation in conferences**



Outlook into 2013/2014

Next conferences endorsed by ITA COSUF:

- **6th International Symposium on Safety and Security in Tunnels (ISTSS 2014), Marseille, 12-14th March 2014**
- **Others ?**



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Election of New Chairman

Current SB members (elected at previous ITA COSUF GA's):

1. **Didier Lacroix**, France, Chairman (previously PIARC representative)
2. **Roland Leucker**, Germany, Vice-Chairman
3. **Gary Clark**, UK, PIARC representative
4. **Johan Bosch**, The Netherlands
5. **Maximilian Wietek**, Switzerland
6. **Dirk Sprakel**, Germany
7. **Roberto Arditi**, Italy
8. **Haukur Ingason**, Sweden

Other people attending SB meetings:

- **Activity Group Leaders**
- **Felix Amberg**, Switzerland, ITA Tutor



Election of New Chairman

1 Candidate:

- **Roland Leucker** (Stuva, Germany)

The SB has accepted this excellent candidate and proposes that the General Assembly elects him



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Workshop Autumn 2013

Prague, 30 september – 1 October 2013

Programme:

Monday 30 September:

- 10:00- 13.00: SB Meeting
- 14:00-18:00: Workshop and presentation of the Blanka tunnel with site visit
- Joint dinner on the evening of 30 September

Tuesday 1 October:

- 9:00-12:30 AG meetings
- 13:00-16:30: SB Meeting



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GA and Open Workshop 2014

Düsseldorf, Spring 2014



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Complex Underground Multipurpose Facilities: Safety Challenges and Solutions

Workshop organised by ITA COSUF as part of the
ITA-AITES World Tunnel Congress 2013

