20 Years of EUPOS (2002 - 2022)

Statistics and Photos

Branislav Droščák

(source of the photos from 2002 - 2012: Gerd Rosenthal)

8th EUPOS® Council and Technical Meeting
Workshop
Multifunctional GNSS Reference Station Systems for Europe
4 - 5 March 2002
Berlin
EUPOS STRUCTURE
JULY 2002 – MAY 2014

Chairperson (Head) of ISC

International EUPOS Steering Committee (ISC)
Representatives of the EUPOS member countries

National EUPOS Service Centres (NSCs)
EUPOS providers (if EUPOS is not operated by the NSCs)

EUPROS working groups
Technical Cooperation with the Industry (TCI)
System Quality, Integrity and Interference Monitoring (SQII)

Authorized EUPOS resellers

EUPROS users

Manufacturers of EUPOS compatible hardware/software

Resellers of EUPOS compatible hardware/software
<table>
<thead>
<tr>
<th>ISC</th>
<th>Place</th>
<th>Date</th>
<th>Participants / countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Warsaw</td>
<td>2-3 July 2002</td>
<td>12 / 8</td>
</tr>
<tr>
<td>2</td>
<td>Sofia</td>
<td>5-6 November 2002</td>
<td>11 / 8</td>
</tr>
<tr>
<td>3</td>
<td>Riga</td>
<td>10-11 June 2003</td>
<td>12 / 7</td>
</tr>
<tr>
<td>4</td>
<td>Berlin</td>
<td>23 November 2003</td>
<td>17 / 11</td>
</tr>
<tr>
<td>5</td>
<td>Bratislava</td>
<td>18-19 June 2004</td>
<td>21 / 10</td>
</tr>
<tr>
<td>6</td>
<td>Sofia</td>
<td>2-3 November 2004</td>
<td>16 / 9</td>
</tr>
<tr>
<td>7</td>
<td>Prague</td>
<td>11-12 April 2005</td>
<td>18 / 12</td>
</tr>
<tr>
<td>8</td>
<td>Berlin</td>
<td>24-25 November 2005</td>
<td>22 / 16</td>
</tr>
<tr>
<td>9</td>
<td>Warsaw</td>
<td>4-5 May 2006</td>
<td>11 / 7</td>
</tr>
<tr>
<td>10</td>
<td>Budapest</td>
<td>23-24 November 2006</td>
<td>23 / 12</td>
</tr>
<tr>
<td>11</td>
<td>Riga</td>
<td>29-30 March 2007</td>
<td>23 / 12</td>
</tr>
<tr>
<td>12</td>
<td>Vilnius</td>
<td>20-21 September 2007</td>
<td>20 / 11</td>
</tr>
<tr>
<td>13</td>
<td>Bucharest</td>
<td>23-24 April 2008</td>
<td>18 / 14</td>
</tr>
<tr>
<td>14</td>
<td>Berlin</td>
<td>25-26 September 2008</td>
<td>18 / 13</td>
</tr>
<tr>
<td>15</td>
<td>Tallinn</td>
<td>28-29 April 2009</td>
<td>22 / 15</td>
</tr>
<tr>
<td>16</td>
<td>Berlin</td>
<td>30 November &amp; 03 December 2009</td>
<td>23 / 15</td>
</tr>
<tr>
<td>17</td>
<td>Novy Sad</td>
<td>27-28 May 2010</td>
<td>18 / 13</td>
</tr>
<tr>
<td>18</td>
<td>Warsaw</td>
<td>26-27 October 2010</td>
<td>12 / 7</td>
</tr>
<tr>
<td>19</td>
<td>Budapest</td>
<td>14-15 April 2011</td>
<td>18 / 9</td>
</tr>
<tr>
<td>20</td>
<td>Berlin</td>
<td>12-13 October 2011</td>
<td>22 / 12</td>
</tr>
<tr>
<td>21</td>
<td>Bratislava</td>
<td>26-27 March 2012</td>
<td>20 / 9</td>
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<tr>
<td>22</td>
<td>Bucharest</td>
<td>26-27 November 2012</td>
<td>18 / 7</td>
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<tr>
<td>23</td>
<td>Tbilisi</td>
<td>7-8 May 2013</td>
<td>13 / 6</td>
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<tr>
<td>24</td>
<td>Berlin</td>
<td>29-30 October 2013</td>
<td>27 / 13</td>
</tr>
<tr>
<td>25</td>
<td>Riga</td>
<td>6-7 May 2014</td>
<td>20 / 9</td>
</tr>
</tbody>
</table>
International EUPOS Steering Committee Statistics

- Period of EUPOS ISC meetings: July 2002 – May 2014
- Total number of ISC meetings: 25
- Number of ISC meetings per year: 2 (spring and autumn)
- Most usual month of spring meetings: April (4x) and May (4x)
- Most usual month of autumn meetings: November (4x)
- Number of countries that host ISC meeting: 12
- Number of host cities:
  - 6x Berlin (Germany)
  - 3x Warsaw (Poland), Riga (Latvia)
  - 2x Sofia (Bulgaria), Bratislava (Slovakia), Budapest (Hungary), Bucharest (Romania)
  - 1x Prague (Czechia), Vilnius (Lithuania), Tallinn (Estonia), Novi Sad (Serbia), Tbilisi (Georgia)
### EUPOS council and Technical meeting - List of meetings and Statistics (October 2014 – till now)

<table>
<thead>
<tr>
<th>EC + TM</th>
<th>Place</th>
<th>Date</th>
<th>Participants / countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Warsaw</td>
<td>15–16 October 2014</td>
<td>20 / 9</td>
</tr>
<tr>
<td>2</td>
<td>Chisinau</td>
<td>21–22 September 2015</td>
<td>15 / 8</td>
</tr>
<tr>
<td>3</td>
<td>Prague</td>
<td>14–15 November 2016</td>
<td>19 / 10</td>
</tr>
<tr>
<td>4</td>
<td>Bratislava</td>
<td>21–22 November 2017</td>
<td>32 / 18</td>
</tr>
<tr>
<td>5</td>
<td>Tallinn</td>
<td>14–15 November 2018</td>
<td>24 / 10</td>
</tr>
<tr>
<td>6</td>
<td>Budapest</td>
<td>30–31 October 2019</td>
<td>23 / 14</td>
</tr>
<tr>
<td>7</td>
<td>Bucharest (online)</td>
<td>09–10 November 2021</td>
<td>35 / 15</td>
</tr>
<tr>
<td>8</td>
<td>Ljubljana (hybrid)</td>
<td>15-16 November 2022</td>
<td>24 / 12</td>
</tr>
</tbody>
</table>

- Number of EUPOS Council and Tech. meetings: 8
- Number of EUPOS Council and Tech. meetings per year: 1 (autumn)
- Most usual month for the Council and Tech. meeting: November (5x)
- Number of countries that host Council and Tech. meeting: 8
- Number of host cities: 1x Warsaw (Poland), Chisinau (Moldova), Prague (Czechia), Bratislava (Slovakia), Tallinn (Estonia), Budapest (Hungary), Bucharest (Romania), Ljubljana (Slovenia)
INTERNATIONAL EUPROS STEERING COMMITTEE
EUPROS COUNCIL AND TECH. MEETINGS – PLACES
International EUPOS Steering Committee

EUPOS Council – Participants Evolution

Participants

Countries

Warsaw 2002
Sofia 2002
Riga 2003
Berlin 2003
Bratislava 2004
Sofia 2004
Prague 2005
Berlin 2005
Warsaw 2006
Budapest 2006
Riga 2007
Vilnius 2007
Bucharest 2008
Berlin 2008
Tallinn 2009
Berlin 2009
Novy Sad 2010
Warsaw 2010
Budapest 2011
Bratislava 2012
Bucharest 2012
Tbilisi 2013
Berlin 2013
Riga 2014
Warsaw 2014
Chisinau 2015
Prague 2016
Bratislava 2017
Tallinn 2018
Budapest 2019
Bucharest 2021
Ljubljana 2022
EUPOS MEMBERS (MAY 2014)

- 22 countries
EUPOS Members (November 2022)

- 14 countries / 18 institutions
EUPOS HEADS / CHAIRMANS / VICE-CHAIRMANS

- 2 July 2002 – 7 May 2013
  - chairman: Gerd Rosenthal (resignation 7.5.2013)

- 8 May 2013 – 16 October 2014
  - chairman: -
  - vice-chairman: Artur Oruba

- 16 October 2014 – 22.09.2015
  - chairman: Artur Oruba (resignation 30.4.2015)
  - vice-chairman: Ambrus Kenyeres

  - deputy chairman: Jaroslav Šimek
  - vice-chairman: Ambrus Kenyeres (step back 14.11.2016)

- 14.11.2016 – 14.11.2018
  - deputy chairman: Jaroslav Šimek
  - vice-chairman: Branislav Droščák

- 14.11.2018 – till now
  - deputy chairman: Branislav Droščák
  - vice-chairman: Ingus Mitrofanovs
### EUPOS SQII Working Group

<table>
<thead>
<tr>
<th>SQII</th>
<th>Place</th>
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</tr>
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<tbody>
<tr>
<td>1</td>
<td>Warsaw</td>
<td>5 May 2006</td>
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<td>Budapest</td>
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<td>Riga</td>
<td>7 May 2014</td>
</tr>
</tbody>
</table>

- **SQII WG** = working group on System Quality, Integrity and Interference monitoring
- **SQII WG meetings**
  - organized parallel with EUPOS ISC meetings from 9. ISC meeting Warsaw 2006 (5.5.2006) till 25. EUPOS ISC meeting in Riga (7.5.2014)
  - from 1st EUPOS council (15.10.2014) SQII WG continue as a part of EUPOS council and Technical meeting till 2019 year
- **WG chair evolution:**
  - 1st – 2nd SQII: Išťván Feješ
  - 3rd – 6th SQII: Katarina Letimannová
  - 7th – 17th SQII: Janis Zvirgzds
TCI WG = working group on Technical cooperation with Industry

TCI WG meetings
- organized irregularly parallel with EUPOS ISC meetings
- recently is that kind of agenda discussed during EUPOS council Technical meetings

Chairman evolution:
- 1st – 4th TCI: Gerd Rosenthal
ECC WG = EUPOS combination center working group

Aim: EUPOS combination of countries SINEX solutions, coordinates monitoring and estimation of the velocity fields

Activity was transformed to EUREF densification project

ECC WG meetings
- status reports are given regularly on EUPOS council and Technical meetings

WG chair evolution:
- Ambrush Kenyeres (2014 – till now)
EUPOS Working Group on Service Quality Monitoring

- SQM WG = EUPOS working group on service quality monitoring

- Aim: common monitoring of countries network RTK solution (http://monitoringeupos.gku.sk)

- SQM WG meetings
  - status reports are given regularly on EUPOS council and Technical meetings

- WG chair evolution:
  - Branislav Droščák (2014 – 2018)
  - Karol Smolík (2018 – till now)
And now some photos

😊
Foundation on DGNSS Workshop in BERLIN

March 2002
BERLIN     November 2003
BERLIN     November 2005
PRAGUE  November 2016 (EUPOS + PosKEN)
THANK YOU FOR YOUR ATTENTION

VIVAT EUPOS!!!

www.eupos.org