



**ECSL**

European Centre for Space Law

Competence Centre for Space Law and Space Policy  
Karl-Franzens-Universität Graz · Subpoint ECSL/NPOC Austria  
em. Univ.- Prof. Dr. Christian BRÜNNER  
Universitätsstraße 15/A1, A - 8010 Graz

# INVITATION TO THE SYMPOSIUM

## TRENDS AND CHALLENGES OF SATELLITE BASED EARTH OBSERVATION FOR ECONOMICS AND SOCIETY



**May 31st/June 1st, 2017**

Conference Venue: Styria Economic Chamber, Europasaal  
Körblergasse 111 - 113, A - 8010 Graz



# SYMPOSIUM:TRENDS AND CHALLENGES OF SATELLITE BASED EARTH OBSERVATION FOR ECONOMICS AND SOCIETY

MAY 31st / JUNE 1st, 2017

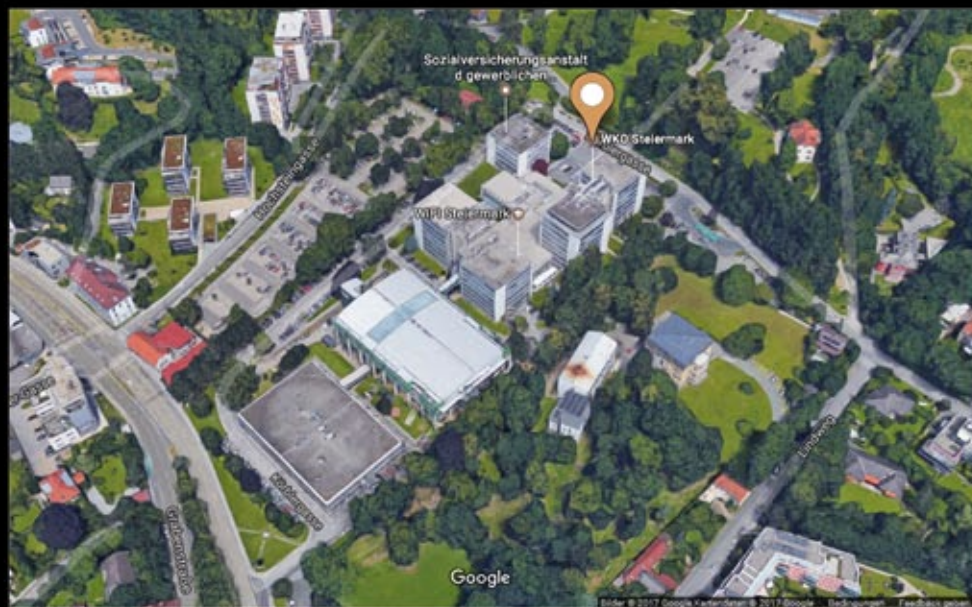
| WEDNESDAY, MAY 31st, 2017 |   |
|---------------------------|---|
| 19:00                     | <b>WELCOME ADDRESS</b> Ing. Josef Herk, President, Styria Economic Chamber  |
|                           | <b>OPENING REMARKS:</b> em. Univ.- Prof. Dr. Christian Brünner, Mag. Anita Rinner, Competence Centre for Space Law and Space Policy, Karl-Franzens-University Graz  |
|                           | <b>EARTH OBSERVATION – STATE OF THE ART</b><br>Dr. Wolfgang Rathgeber, Project Coordinator, Directorate of Earth Observation Programmes<br>Univ.-Prof. Mag. Richard Kriesche, Video Art_Sat   |
| 20:00                     | <b>DRINKS RECEPTION</b>   |
| THURSDAY, JUNE 1st, 2017  |   |
| 09:00                     | <b>OPENING REMARKS</b><br>Dr. Thomas Geist, Research Promotion Agency / Air and Space Agency  |
| 09:15                     | <b>SESSION 1: STRATEGIC, TECHNICAL AND ECONOMIC ASPECTS OF SATELLITE BASED EARTH OBSERVATION</b><br><b>1</b> Moderator: Hannes Mayer, Competence Centre for Space Law and Space Policy, Institute of Canon Law, Karl-Franzens-University Graz |
|                           | <b>STRATEGIC ASPECTS FROM THE EUROPEAN UNION'S POINT OF VIEW</b><br>Dr. Peter Breger, MA, Deputy Head of Unit – EU Earth Observation Programmes, European Commission  |
|                           | <b>ACTIVE REMOTE SENSING TECHNIQUES</b><br>Univ.- Prof. Dipl.-Ing. Dr. Wolfgang Wagner, University of Technology Vienna   |
|                           | <b>SPACE AND SECURITY: EARTH OBSERVATION BETWEEN THE PRIORITIES OF CIVILIAN AND MILITARY USE</b><br>Dr. Norbert Frischauf, Austrian Space Forum   |
|                           | <b>GENERAL OVERVIEW – ECONOMIC ASPECTS</b> (English Language)<br>Alessandra Vernile, MA, European Space Policy Institute  |
|                           | <b>ROBOCOPTERS</b><br>Dr. Wolfgang Schinagl, Styrian Economic Chamber   |
| 10:45                     | <b>COFFEE BREAK</b>   |
| 11:00                     | <b>SESSION 2: APPLICATION OF SATELLITE BASED EARTH OBSERVATION</b><br><b>2</b> Moderator: Ass.-Prof. Dr. Gerhard Schnedl, Institute of Public Law and Political Science, Karl-Franzens-University Graz  |
|                           | <b>NEW DEVELOPMENTS IN AGRICULTURAL REMOTE SENSING</b><br>Univ.-Prof. Dr. Clement Atzberger, University of Natural Resources and Life Sciences, Vienna  |
|                           | <b>FOREST MONITORING AND REMOTE SENSING</b><br>Univ.-Prof. Dr. Dipl.-Forstw. Mathias Schardt, University of Technology Graz   |
|                           | <b>GLOBAL URBANIZATION – PERSPECTIVE FROM SPACE</b><br>Dr. Michael Wurm, German Aerospace Center (DLR)  |
|                           | <b>THE APPLICATION AND USE OF EARTH OBSERVATION IN THE VIEW OF PUBLIC ADMINISTRATION USING THE EXAMPLE OF THE GEOGRAPHIC INFORMATION SYSTEM OF STYRIA</b><br>Dipl.-Ing. Rudolf Hütter, Geographic Information Systems (GIS) Styria            |
|                           | <b>START-UPS IN THE FIELD OF SPACE APPLICATION</b><br>Mag. Martin Mössler, MSc, Science Park Graz/ESA Business Incubation Centre  |
| 12:30                     | <b>LUNCH BREAK – BUFFET</b>   |

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| 13:30             | <b>LEGAL AND TECHNICAL ASPECTS OF AUTONOMOUS VEHICLES</b><br>Dr. Gudrun Waniek, MA, Senior Legal Counsel and Compliance Officer<br>Dipl.- Ing. David Ludwig, beide MAGNA STEYR, MAGNA Automotive Holding AG  |
|                   | <b>COMMERCIAL USE OF SATELLITE REMOTE SENSING FROM SMALL AND MEDIUM ENTERPRISE'S POINT OF VIEW</b><br>Dr. Christian Hoffmann, Founder and Managing Director GeoVille Information Systems GmbH  |
|                   | <b>THE EARTH OBSERVATION DATA CENTRE – COLLABORATION FOR EARTH OBSERVATION (EODC)</b><br>Dr. Christian Briese, EODC  |
|                   | <b>DRONE RESCUE</b><br>Andreas Ploier, ESA Business Incubation Centre Austria  |
|                   | <b>RELEVANCE AND APPLICATION OF SATELLITE BASED EARTH OBSERVATION IN THE VIEW OF CIVIL AVIATION</b><br>FH-Prof. Dr. Holger Flühr, FH Joanneum Graz   |
| 15:00             | <b>SESSION 3: LEGAL ASPECTS</b><br><b>3</b> Moderator: Assoz.- Prof. Dr.Yvonne Karimi-Schmidt, Institute of International Law and International Relations, Karl-Franzens-University Graz   |
|                   | <b>LEGAL ASPECTS OF SATELLITE BASED EARTH OBSERVATION – AN INTRODUCTION</b><br>Prof. Dr. Lesley-Jane Smith, LL.M., Institute of International Economic, Comparative Law and Anglo-American Law, Leuphana Universität Lüneburg  |
|                   | <b>FROM SHUTTER CONTROL TO BIG DATA: PAST, PRESENT AND FUTURE TRENDS IN THE LEGAL HANDLING OF EARTH OBSERVATION DATA</b><br>Mag. Alexander Soucek, MSS, Legal Officer, ESA   |
|                   | <b>CONSEQUENCES OF THE EVER GROWING IMPORTANCE OF EARTH OBSERVATION – SUSTAINABLE USE OF OUTER SPACE – SMALL SATELLITES/MEGACONSTELLATIONS</b><br>Mag. Anita Rinner, Competence Centre for Space Law and Space Policy, Karl-Franzens-University Graz   |
|                   | <b>USING SATELLITE-BASED EARTH OBSERVATION IN EMPLOYMENT RELATIONSHIPS</b><br>MMag. Georg Königsberger, Styrian Economic Chamber   |
| 16:15             | <b>COFFEE BREAK</b>  |
| 16:30             | <b>4. EINHEIT: PANEL DISCUSSION ON NATURAL HAZARDS AND EARTH OBSERVATION</b><br><b>4</b> Moderator: Dr. Thomas Neger, attorney, Neger/Ulm Rechtsanwälte  |
|                   | <b>INTRODUCTORY STATEMENT</b><br>ao. Univ.-Prof. Dr. Wolfgang Sulzer, Institute of Geography and Spatial Research, Karl-Franzens-Universität Graz<br><b>PANELISTS:</b><br>ao. Univ.- Prof. Mag. Dr. Irmgard Marboe, Universität Wien<br>Dr. Norbert Frischauf, Austrian Space Forum<br>Mag. Martin Mössler, MSc, Science Park Graz<br>Univ.-Prof. Dr. Gottfried Kirchengast, Wegener Center for Climate and Global Change, Karl-Franzens-University Graz |
|                   | <b>CONCLUDING REMARKS</b><br>em. Univ.-Prof. Dr. Christian Brünner, Competence Centre for Space Law and Space Policy, Karl-Franzens-University Graz  |
| 31.05. und 01.06. | <b>POSTER PRESENTATIONS BY STUDENTS OF THE SEMINAR "SPACE LAW AND SPACE POLICY" AT KARL-FRANZENS-UNIVERSITY GRAZ</b><br>Moderation: Mag. Anita Rinner, Competence Centre for Space Law and Space Policy, Karl-Franzens-University Graz   |

Project team led by: em. Univ. Prof. Dr. Christian Brünner  
Conference language: German  
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Kostenpflichtige Parkplätze stehen am Areal zur Verfügung.  
Öffentlich: Buslinie 39 / Endstation Wirtschaftskammer.