

# SWISS PHOTONICS

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## In cooperation with the CTI

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**KTT-Support**

National thematic networks

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Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

**Commission for Technology and Innovation CTI**

# Swissphotonics

- **Started in 2006, by UAS to get better access to CTI funding and by “solid state photonics” (diode laser) pioneers/proponents**
  - Goal: Advocacy for photonics, national and international networking, support of innovation activities in workshops for engineers, project leaders and professors
- **2008-2012: Support by CTI initiative “R&D consortium: Excellence cooperates”**
  - Supported submission of CTI projects in the range of 30Mio CTI funding
- **2011-2014: Support by Photonics21 (Innopho21, Europho21)**
  - Active in Photonics 21
- **Since 2013: Swissphotonics becomes CTI NTN**
  - Goal: Advocacy for photonics, national and international networking, support of innovation activities in workshops for engineers, project leaders and professors
    - Workshops
    - Partner matching (SME/University)
    - Seed money
    - Review of CTI proposals
- **Since 2013: Swissmem specialist group “Photonics”**
  - Goal: Advocacy for Photonics on “C”-level (education, policies)

# Photonics21

- **European technology platforms (ETP)**
  - European Technology Platforms (ETPs) are industry-led stakeholder fora that **develop short to long-term research and innovation agendas and roadmaps for action at EU and national level** to be supported by both private and public funding.
  - 30+ ETPs, from bio to transport
- **Photonics21: European technology platform for “Photonics”**
  - Membership: 2000 individuals
    - 7 workgroups in Photonics21 generate “bottom up” roadmaps
    - Horizon2020 “top down” calls are based on these roadmaps
- **Photonics21: From ETP to Public Private Partnership (PPP)**
  - Within the seven years of Horizon2020 the EU will spend 700Mio Euro on Photonics research
  - The industry commits within this PPP to match this investment with 2800Mio

## Kick off - Photonics Research and Innovation Priority Process for Horizon 2020 Work Programme 2016/2017

### Photonics21 Work Group Workshops - 28 March 2014

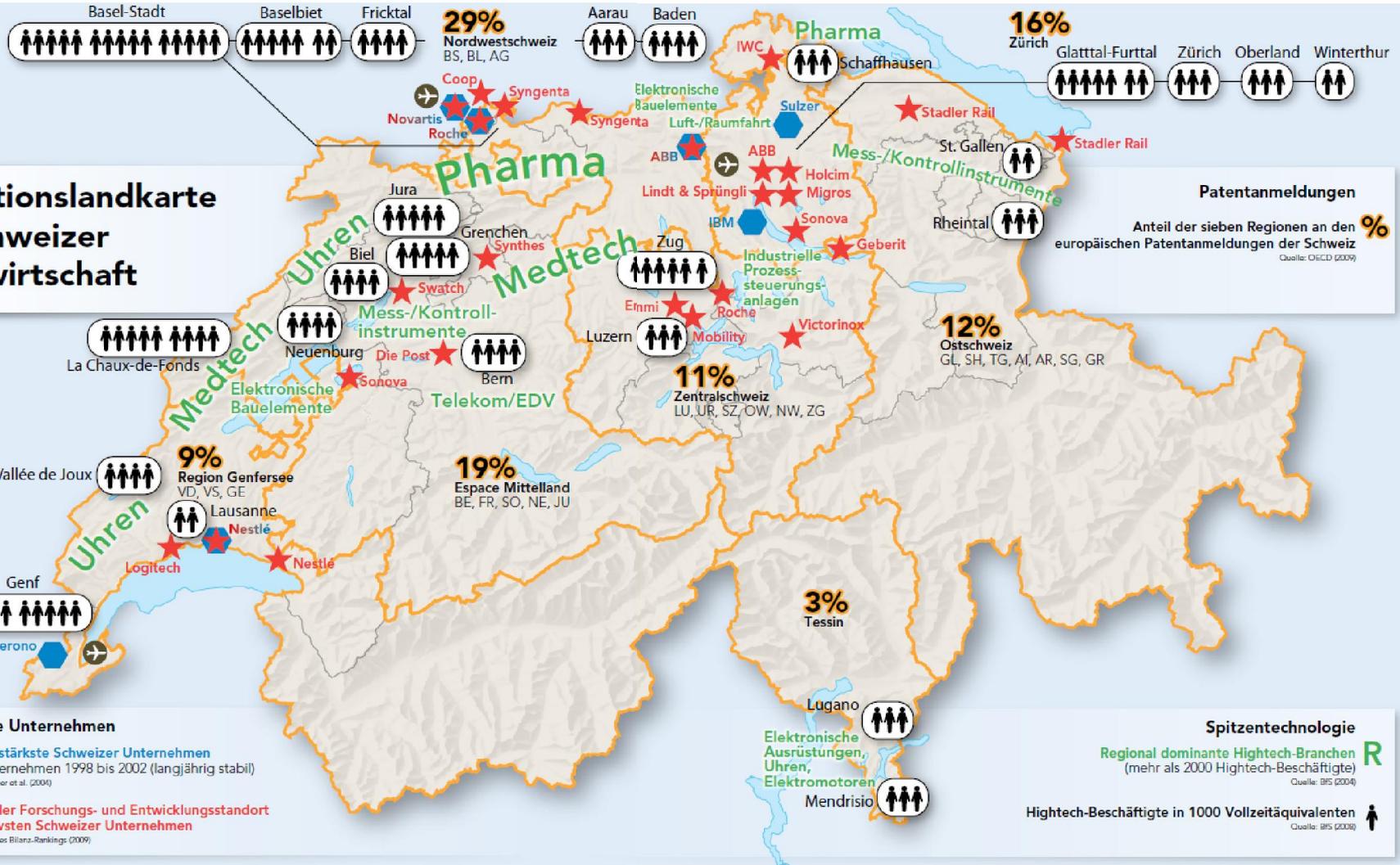
- Photonics21 Work Groups started the interactive process to define research and innovation priorities for Horizon 2020 Work Programme 2016/2017 on the basis of the Photonics Roadmap
- European Commission representatives participated in the Photonics21 workshops
- The workshop presentations and outcomes were made publicly available in the Photonics21 member area and were circulated to the Work Group members





# innovation landscape

## Innovationslandkarte der Schweizer Privatwirtschaft





# SWISS PHOTONICS

## Direct SME/industry support:

- **Support of technology development**
  - Partner matching for technology development projects
  - Seed money checks to initiate projects
  - Individual consulting/support
  - Arrangement of CTI/EU funding
- **National laboratories**

Center of competence: Single contact points for SMEs

  1. Photonic tools/manufacturing (SNAP)
  2. Optics platform (SNOP)
  3. Photonics master (SPME)
  4. Fiber (SNFL)
  5. PV research (SPVR)
  6. Photonics packaging (SPPL)
  7. Solid state lighting (SSSL)
  8. Sensing (being started)

## Networking activities:

- **Workshops/Conferences**
  - Biophotonics, 19.3.14
  - EPMT, 18.6.14, Geneva
  - EFTF, 23.6.14, Neuchatel
  - Connectors, 26.6.14, Locarno
  - Solid State Lighting (EU-Lassie), Oct. 2014
  - 3-d printing, Nov 2014
- **Info**
  - CTI
    - Company info in CTI projects is made public
  - Horizon 2020
    - Like FP6
    - Not clear: «EU» funding of companies
  - General info
    - [www.swissphotonics.net](http://www.swissphotonics.net)

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  - **Connectors, 26.6.14, Losone**
  - Solid State Lighting (EU-Lassie), 30. Oct. 2014
  - 3-d printing and GA, Nov 2014
- **Info**
  - Horizon 2020
    - Funding of research and industry research: Like FP6
    - «EU» funding of companies like in FP7: Not possible in present situation
  - Swissmem
    - Workshop on Photonics Education: Sept. 2, 2014
  - General info
    - [www.swissphotonics.net](http://www.swissphotonics.net)