



Schweizerische Eidgenossenschaft  
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**Embassy of Switzerland in Malaysia**

# **Higher Education and Research in SWITZERLAND**

**Presentation by Rolf Ott  
Embassy of Switzerland, Kuala Lumpur**

13.06.2017

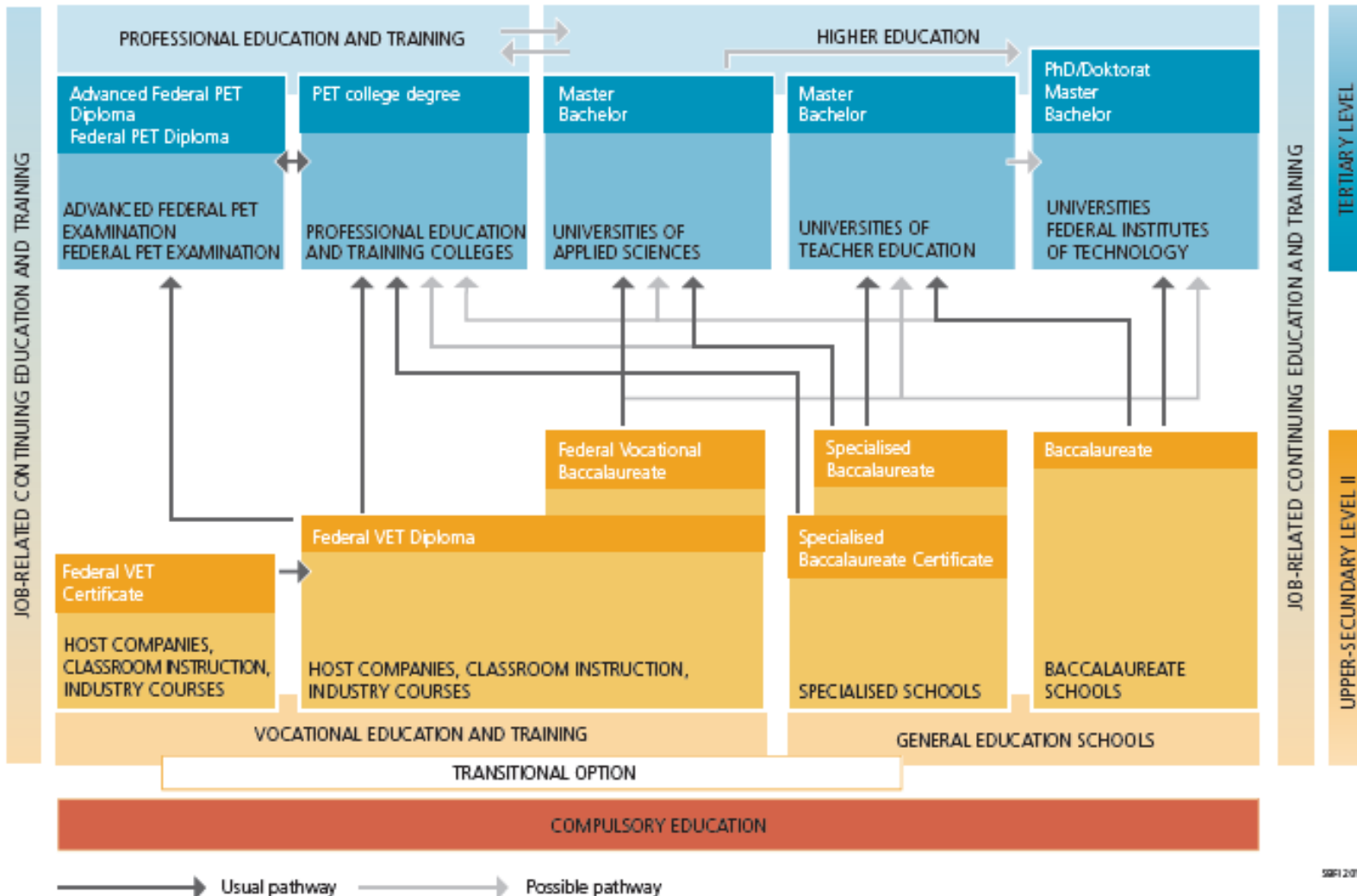


# General Information

	CH	Malaysia
Surface area (km2)	41 280	329 850
Population (million)	8	30.51
GDP (billion USD / 2015)	664	296
GDP per capita (USD / 2015)	86 540	9'501
GDP annual growth rate (2015)	0.9 %	5.0%
Unemployment rate (2015)	3.3%	3.2%

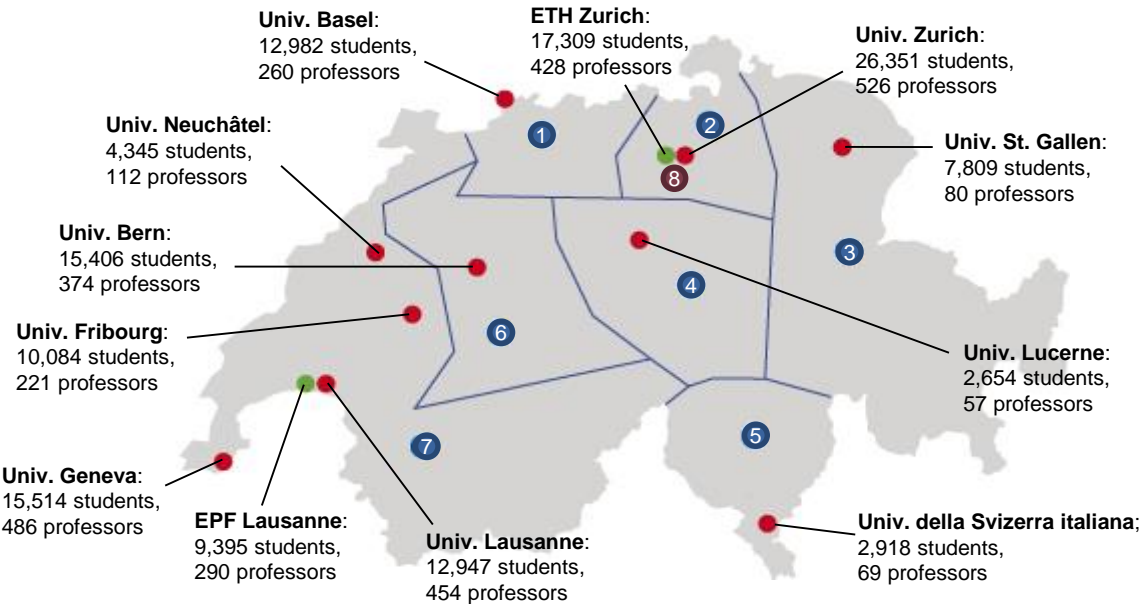


# Swiss education system





# Swiss higher education landscape



- 1 University of Applied Sciences and Arts Northwestern Switzerland
- 2 Zurich University of Applied Sciences
- 3 University of Applied Sciences of Eastern Switzerland
- 4 Lucerne University of Applied Sciences and Arts
- 5 University of Applied Sciences and Arts of Southern Switzerland
- 6 Bern University of Applied Sciences
- 7 University of Applied Sciences Western Switzerland
- 8 Kalaidos University of Applied Science

Total number of students in UAS: 72,568  
Total number of professors in UAS: 3,855

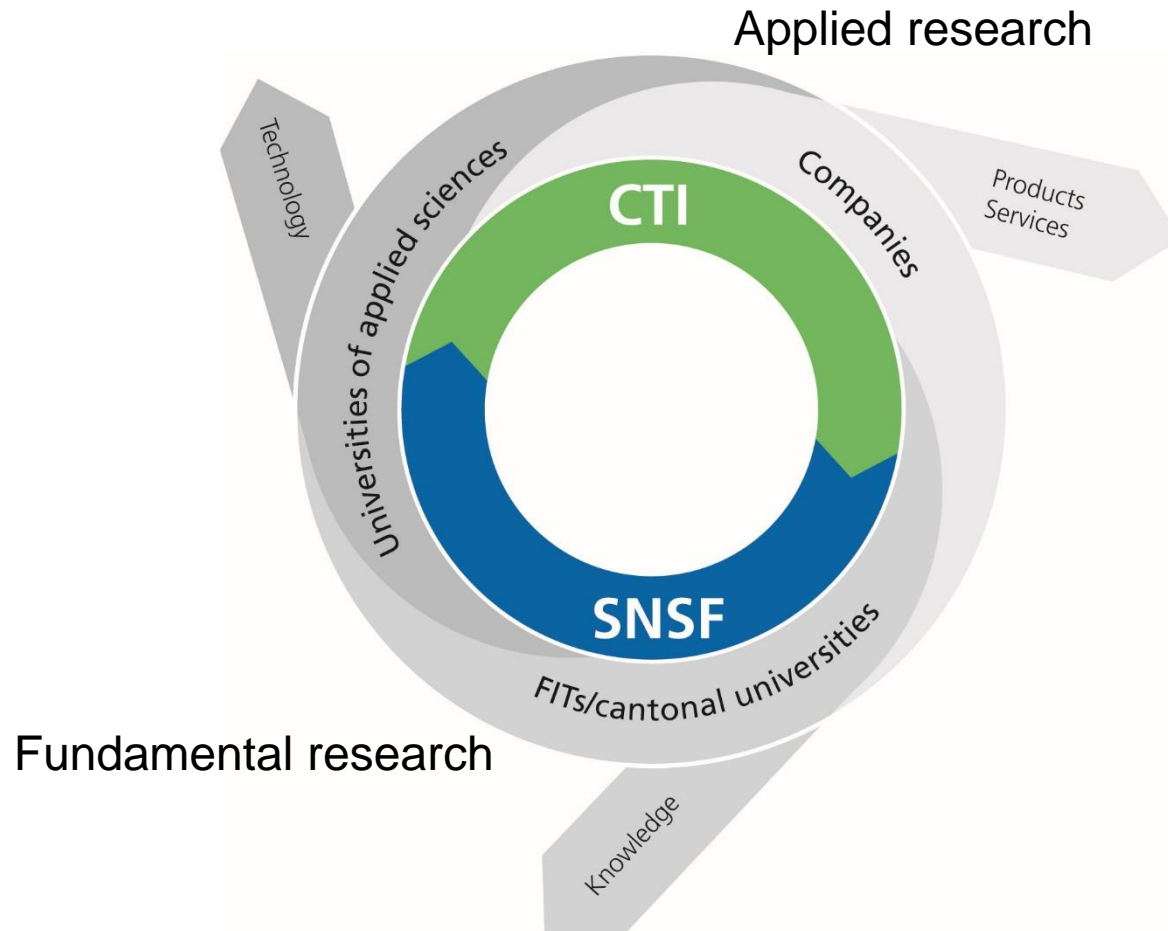
Total number of students in tier-one universities: 137,714  
Total number of professors in tier-one universities: 3,357

**12 tier-one universities (10 cantonal + 2 federal)**

**8 universities of applied sciences UAS (7 public + 1 private)**



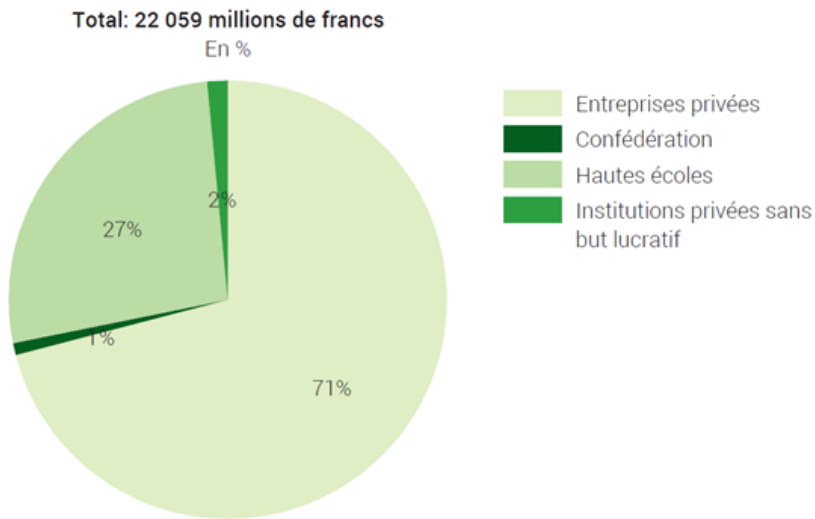
# Promotion of research and innovation: Complementary set of instruments





# R&D expenditure 1/2

Dépenses intra-muros de recherche et développement (R-D) en Suisse selon le secteur d'activité, 2015



**97 billion MYR in 2015**  
(+ 10.5%, 2012)

**71% Business Enterprises**

**27% Higher Education institutions**

**by almost 125'000 persons.**

Source: OFS – Recherche et développement (R-D) synthèse suisse (RD suisse)

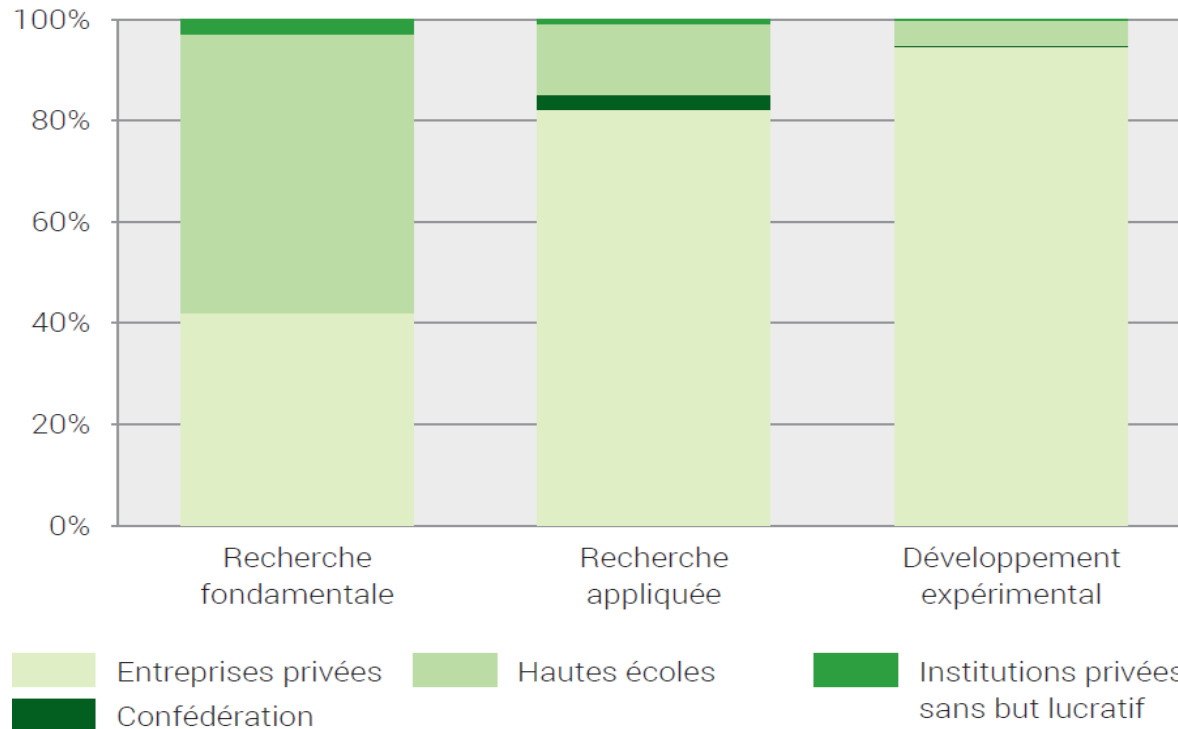
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# R&D expenditure 2/2

## Dépenses intra-muros de R-D en Suisse selon le secteur d'activité et le type de recherche, 2015

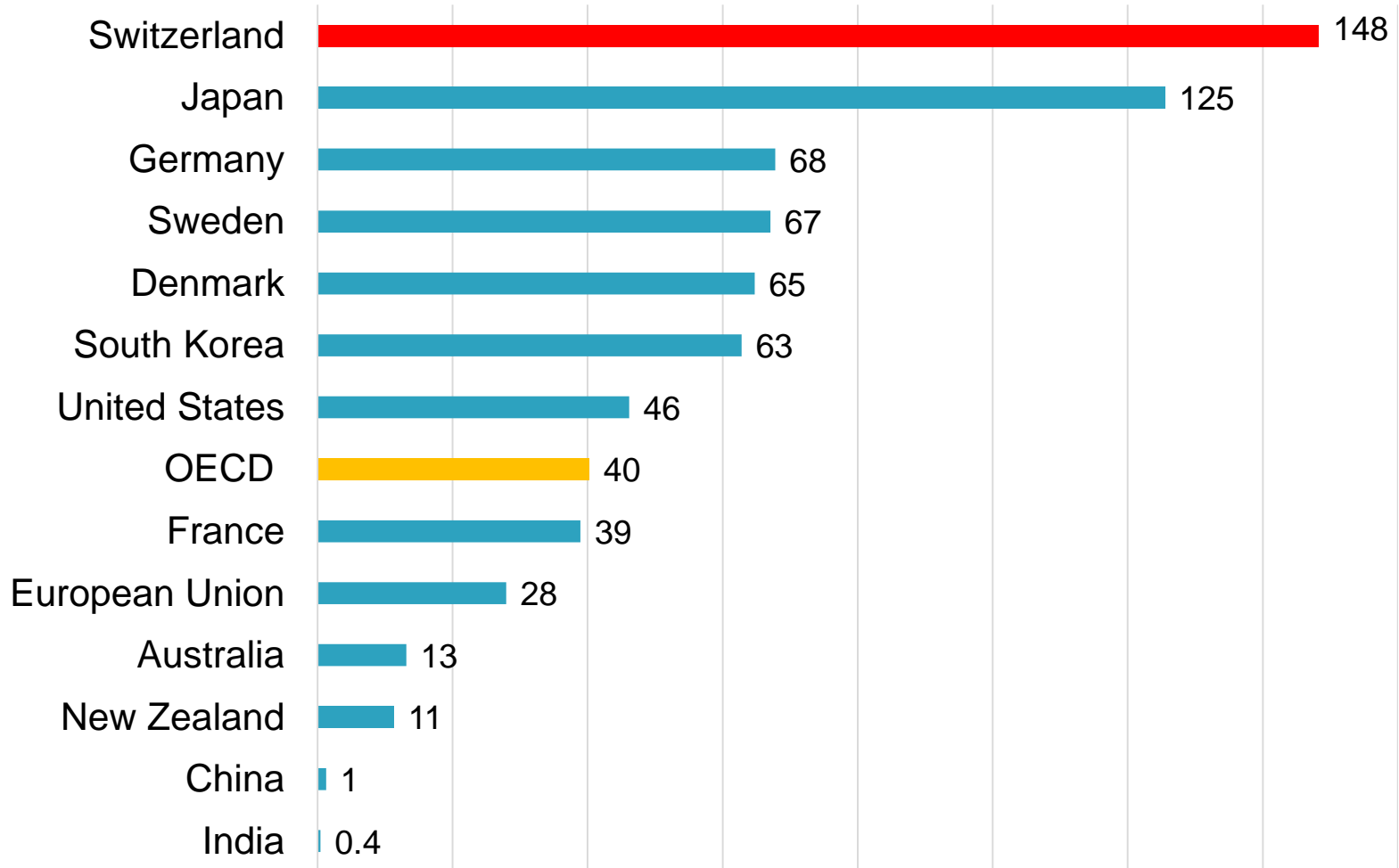
En % (millions de francs)



Source: OFS – Recherche et développement (R-D) synthèse suisse (RD suisse)

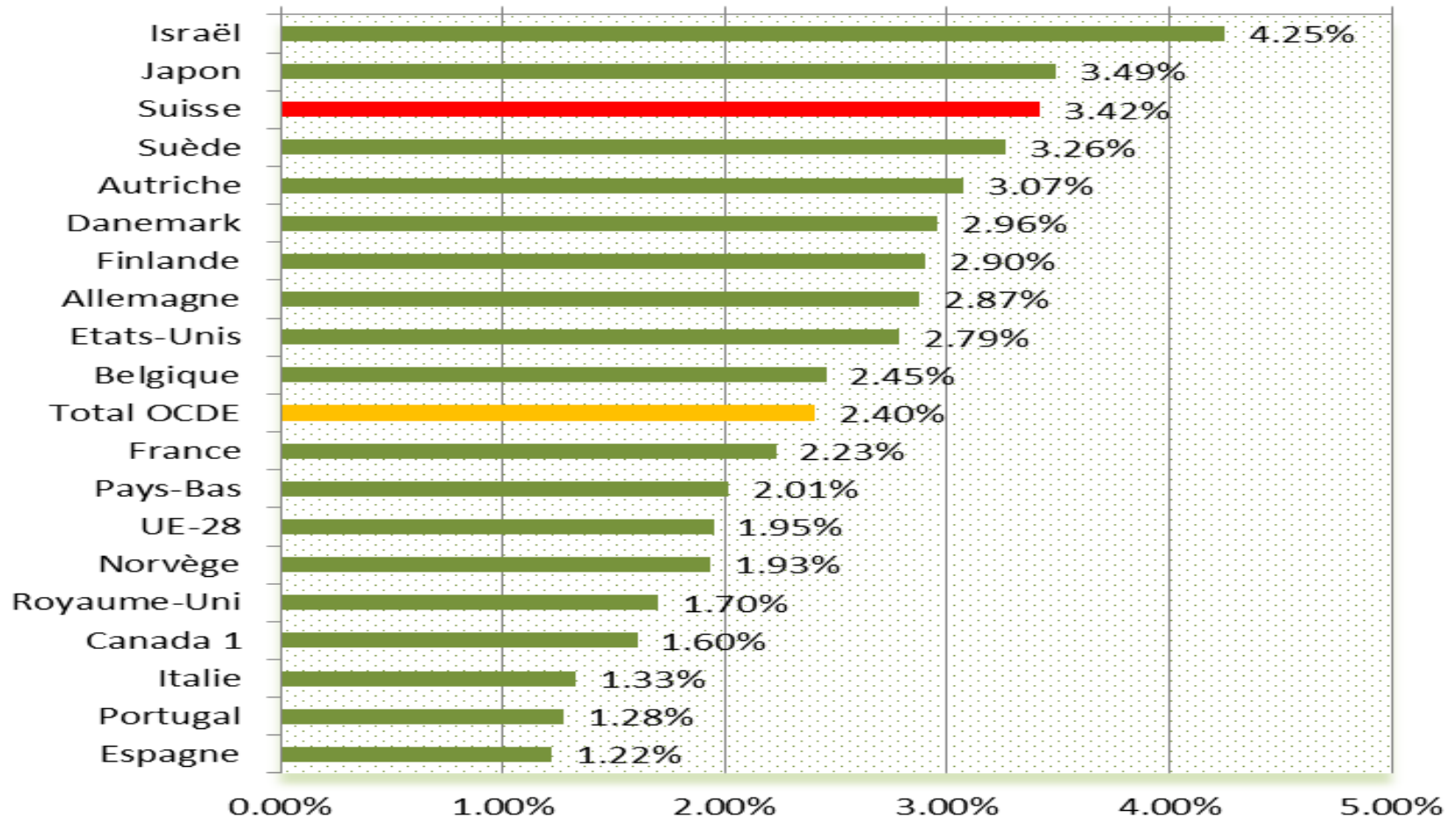
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# Key figures: Patents per million inhabitants





# Key figures: International comparison of research expenditure



In % of GDP. Source: OECD, Banque de données PIST, 2017



# Switzerland: Funding and Fellowship Opportunities





# Swiss Government Excellence Scholarships for Foreign Scholars and Artists

- Scholarship types
  - Research Scholarships – (12 months)
  - PhD Scholarships (12 up to 36 months)
  - Post-doctoral Scholarships (12 months)
- Funded by the Swiss Government through the Federal Commission for Scholarships for Foreign Students
- Call opens in August 2017, application deadline is 1 December 2017
- Application package available at the Embassy of Switzerland in Kuala Lumpur (as of August 2017)

Web: <https://www.eda.admin.ch/kualalumpur>

Contact: [kua.vertretung@eda.admin.ch](mailto:kua.vertretung@eda.admin.ch)



## Bilateral research collaboration with the ASEAN region 2017-2020 (1/2)

- Funded through the Swiss State Secretariat for Education, Research and Innovation, SERI.
- Managed by ETH Zurich as “Leading House”.
- Funding instruments:
  - **Mobility** : Exchange grants with ASEAN countries as a follow-up measure to the exploratory phase
  - **Innovation**:
    - Asia industry internships for students
    - Innovation Partnership Grants
    - Start-up Asia Opportunities Programme



## Bilateral research collaboration with the ASEAN region 2017-2020 (2/2)

- ***Bridging Grants and Seed Money Projects***
  - Bridging grants to bring established projects with ASEAN countries to the next level
  - Seed funding for partnerships with new countries
  
- ***Strategic Topics and Exploratory Funding***
  - Regional activities with ASEAN bodies

– Start date of the programme: second half of 2017.

Web: <https://www.ethz.ch/en/the-eth-zurich/global/funding-opportunities/swiss-bilateral-programmes.html>

Contact: [patricia.heuberger@sl.ethz.ch](mailto:patricia.heuberger@sl.ethz.ch)



# Scientific Exchanges Funded through Swiss National Science Foundation SNSF

- **Short Visits (1 to 6 months)**
  - For researchers in Switzerland to go abroad or researchers from abroad to come to Switzerland.
  - Support for travel and living expenses.
- **Workshops and conferences grants (2-5 days)**
  - For researchers working in Switzerland (invite Malaysian colleague)
  - Support for travel and living expenses of participants from abroad
  - Submission at least 4 months in advance

Web: <http://www.snf.ch/en/funding/science-communication/scientific-exchanges/Pages/default.aspx>

Contact: [scientific.exchange@snf.ch](mailto:scientific.exchange@snf.ch)

# Scholarships offered by different Universities and Institutes

## - Scholarships by the University of Fribourg

Research stay of max. 6 months for PhDs and max. 3 months PostDoc

<http://www.unifr.ch/home/welcomeE.php>

## - Scholarships by the Graduate Institute Geneva

Scholarships are awarded each year to students attending Master and PhD programmes.

<http://graduateinstitute.ch/home/study/academicdepartments/international-economics/scholarships-and-funding.html>

## - Grants and financial aid by the University of Geneva

<http://unige.ch/>



A list of **all recognised Swiss Higher Education Institutions** available here:

<https://www.swissuniversities.ch/en/higher-education-area/recognised-swiss-higher-education-institutions/>

***Try to establish contacts to Swiss scientists during scientific conferences. A host in Switzerland is needed in case you apply for an exchange grant.***