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Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Federal Department of Home Affairs FDHA  
**Federal Office of Public Health FOPH**  
Radiation Protection Division

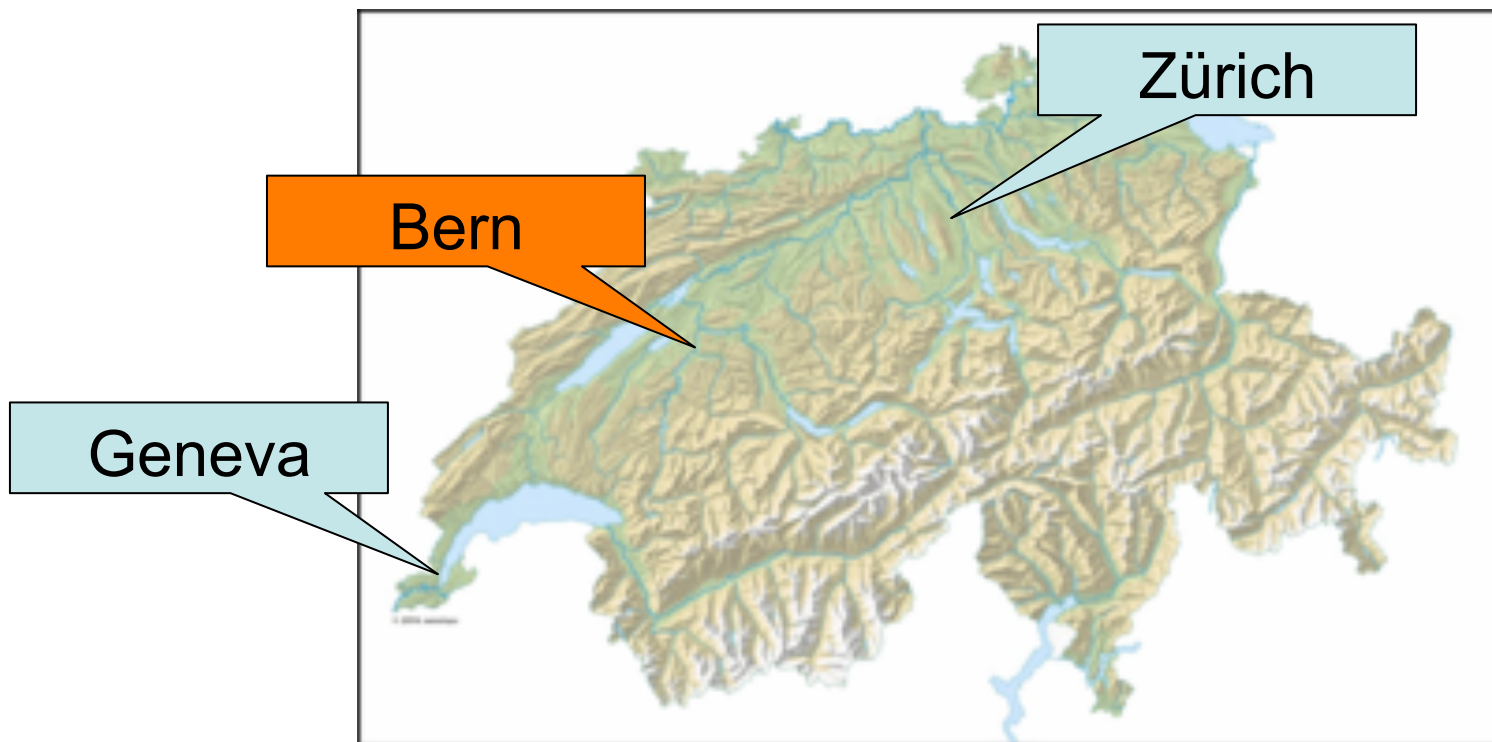
# 16<sup>th</sup> European ALARA Network Workshop 2016 Berne





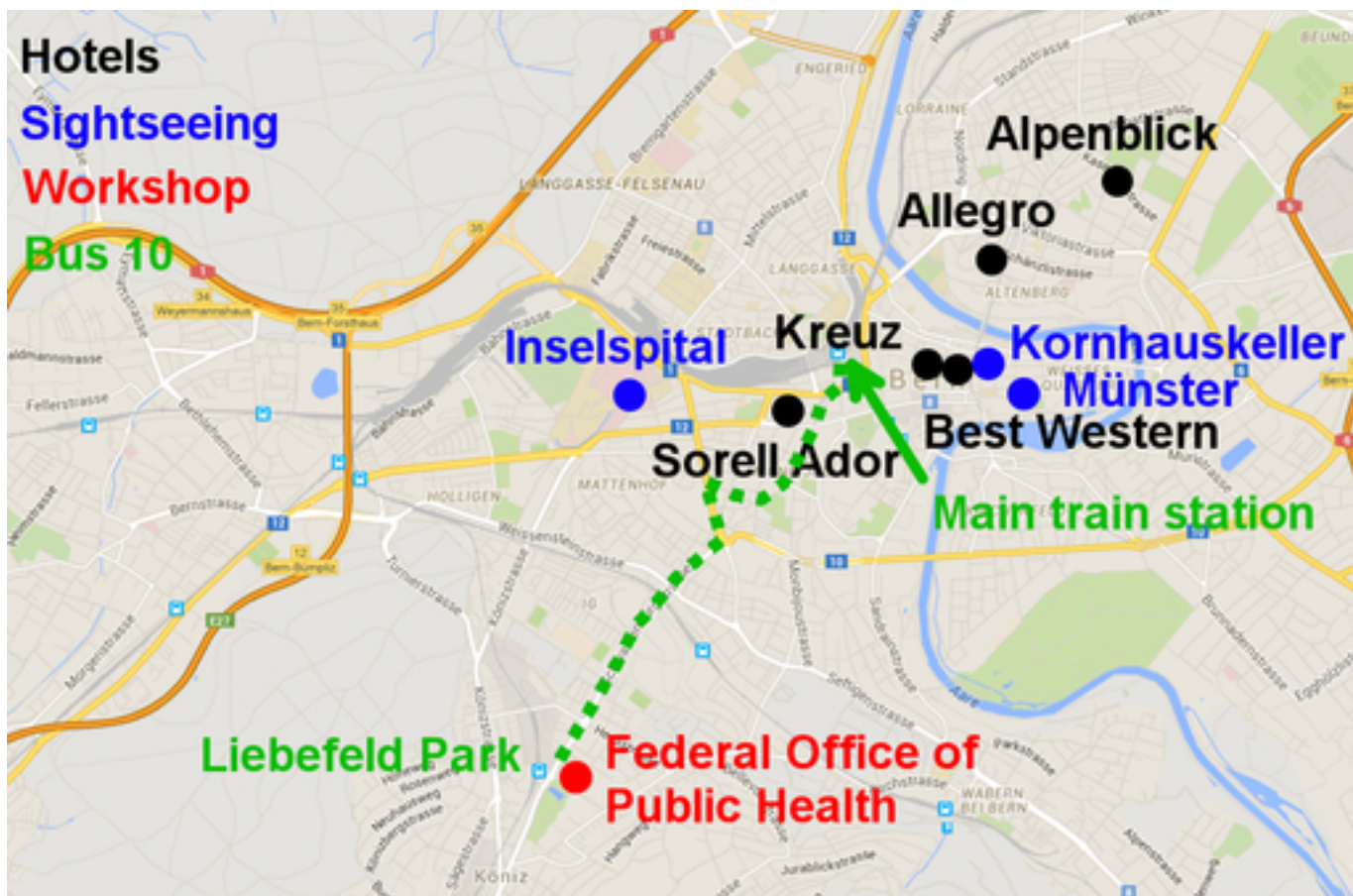
# 16th European ALARA Network Workshop

- 14<sup>th</sup> to 16<sup>th</sup> March 2016 (Monday - Wednesday)
- Berne, capital of Switzerland





# 16th European ALARA Network Workshop





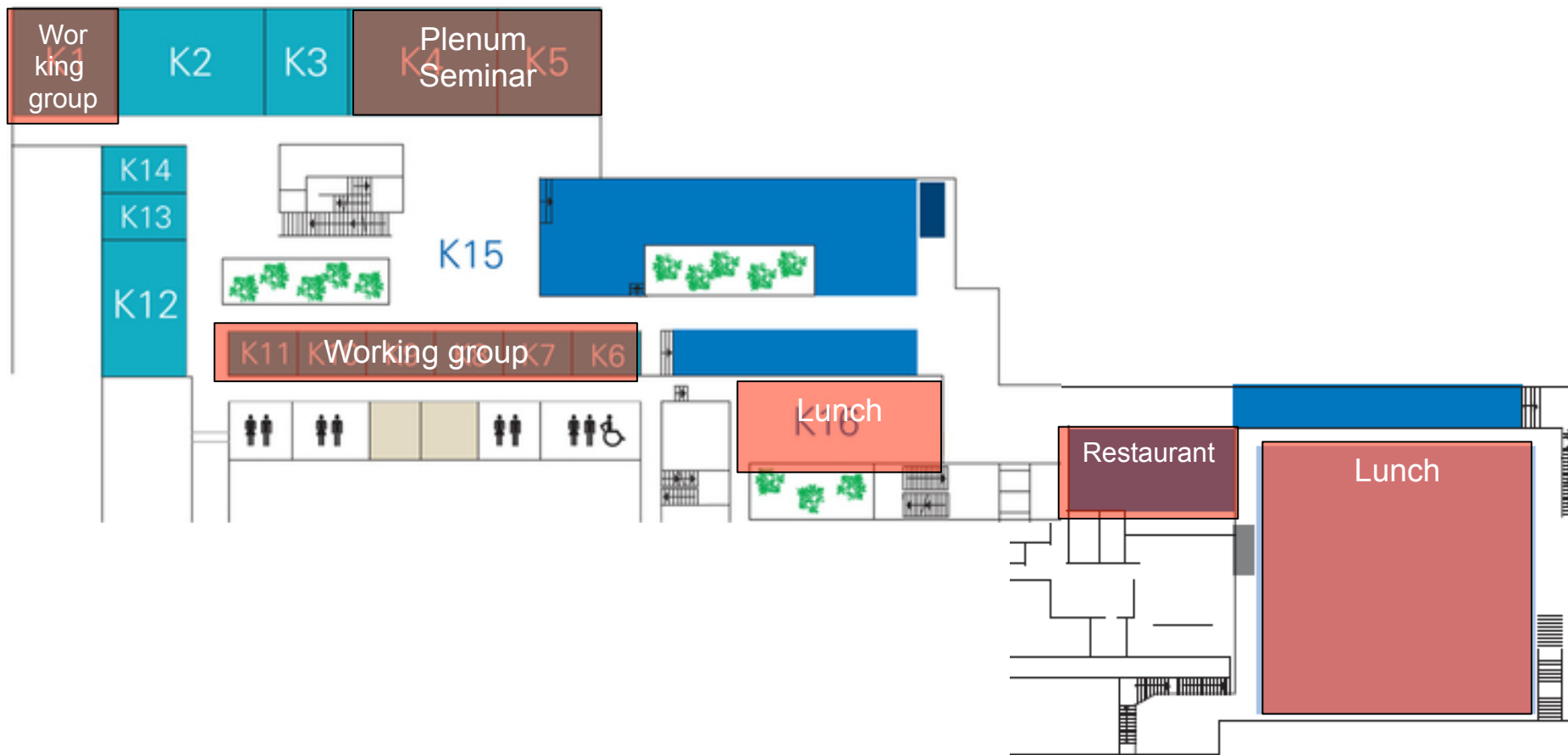
# Venue, **CAMPUS SFOPH** in Berne

- Schwarzenburgstrasse 157, Liebefeld, room for 70 people and 5 smaller rooms for Working groups





# Venue, **CAMPUS SFOPH** in Berne





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# Venue, CAMPUS SFOPH in Berne





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# Dinner, Kornhauskeller Berne



[Link](#) Kornhauskeller Berne



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# Sightseeing, the Berne Minster

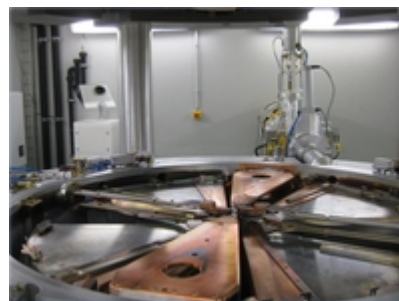


[Link](#) Berne Minster



# Technical visit

- Cyclotron Firma SWAN AG
- IBA Cyclotron, proton 18 MeV, Inselspital Berne
- Production of Radio-isotop (PET)
- GMP Labor
- Visit possible with 2 groups of 20 persons





# Program

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## **Monday, 14<sup>th</sup> March 2016**

- 08h00 – 12h00 Setting the scene
- 13h30 – **18h00** Sessions and Working groups
- 18h30 – 20h00 Tour to the Berne Minster and University Hospital “Inselspital”

## **Tuesday, 15<sup>th</sup> March 2016**

- 08h00 – 19h00 Sessions and Working groups
- From 19h00 on Welcome Aperero and Workshop dinner at Kornhauskeller

## **Wednesday, 16<sup>th</sup> March 2016**

- 08h00 – 12h00 Resume and recommendation

Lunch, coffe break will be taken over by the registration fees



# Session of the EAN workshop

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## “Improvements in Radiation Protection”

- **Session 1**

Setting the Scene (**7 presentations, 1 missing ICRP**)

- **Session 2**

Equipment (**6 presentations**)

- **Session 3**

Learning from industrial radiography accidents (**6 presentations**)

- **Session 4**

Education and Training and ALARA Culture (**5 presentations, 1 missing EUTERP**)



# Abstracts

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## Good mixed of speakers between

- **Radiography manufactures**
- **Regulatory body**
- **Radiography employers and employees**
- **Radiographer enterprises**
- **Radiography clients**
- **Training providers**



# Registration, status of 12.12.2015

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Deadline 31. Januar 2016

- Place limited to 70 Persons
- Registration of Person from
  - Belgium
  - Germany
  - France
  - UK
  - Switzerland



# <http://www.ean-workshop-16.ch/>

16<sup>th</sup> European ALARA Network Workshop,  
Berne, Switzerland, 14 – 16 March 2016

## ALARA in industrial radiography How can it be improved?



### Aims and Objectives

Industrial radiography (for non-destructive testing (NDT)) using gamma and X-ray sources is a long-established and widespread practice. A key radiation protection principle is optimisation, to ensure that the radiation exposure of radiography workers and other persons is As Low As Reasonably Achievable (ALARA).

In 2001, in Rome, the 5<sup>th</sup> EAN Workshop specifically considered ALARA in industrial radiography. It was concluded that ALARA was not always being achieved, and improvements in radiography equipment, working procedures, training and safety culture were recommended.

Since then, industrial radiography has remained an area of concern in radiation protection, due to the levels of radiation exposure received and, in particular, the number and magnitude of accidental exposures. Consequently, EAN has decided to re-visit this topic.

The workshop will consist of presentations (oral and posters) intended to highlight the main issues, and a significant part of the program will be devoted to discussions within working groups.



### The objectives of the workshop are:

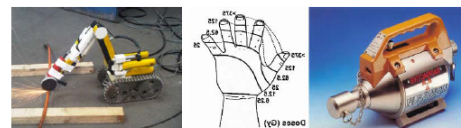
- To review the conclusions and recommendations of the 5<sup>th</sup> EAN Workshop and determine whether any real improvements have been made.
- To ask what else might be done to improve radiation safety in industrial radiography and ensure that exposures are ALARA.

The workshop will consist of presentations (oral and posters) intended to highlight the main issues, and a significant part of the program will be devoted to discussions within working groups.

From these discussions, participants will be expected to produce recommendations on ALARA in industrial radiography, which are addressed to relevant local, national and international stakeholders.

### Scope of the oral presentation

- The workshop programme will include the following topics:
1. Setting the scene (review of the Rome workshop)
  2. Radiography incidents and accidents
  3. Radiography equipment
  4. Education, training and ALARA culture
  5. The ALARA process in radiography: setting suitable dose and risk constraints
  6. Learning from radiography accidents: how do we stop them happening again?
  7. Training and Safety Culture: how can these be improved?
  8. Radiography equipment: can we make it safer?





# Deadline

<http://www.ean-workshop-16.ch/>

| Nr. | Homework for the PC    | Deadline                |
|-----|------------------------|-------------------------|
| 1   | Advertise the workshop | 24.12.2015              |
| 2   | Send abstracts to PC   | 15.01.2016              |
|     |                        |                         |
| 4   | Registration           | 31.01.2016              |
| 6   | Workshop               | 13.03.2016 - 15.03.2016 |



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# Next PC meeting

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**Sunday 13<sup>th</sup> of March 2016**

**One day before the Workshop in SFOPH in Bern**

**FOPH will arrange the meeting and a dinner**