

Safety Training at CERN

An Introduction

Presentation to EASITrain Spring 2018

March 8th 2018

Christoph BALLE
Head of Safety Training

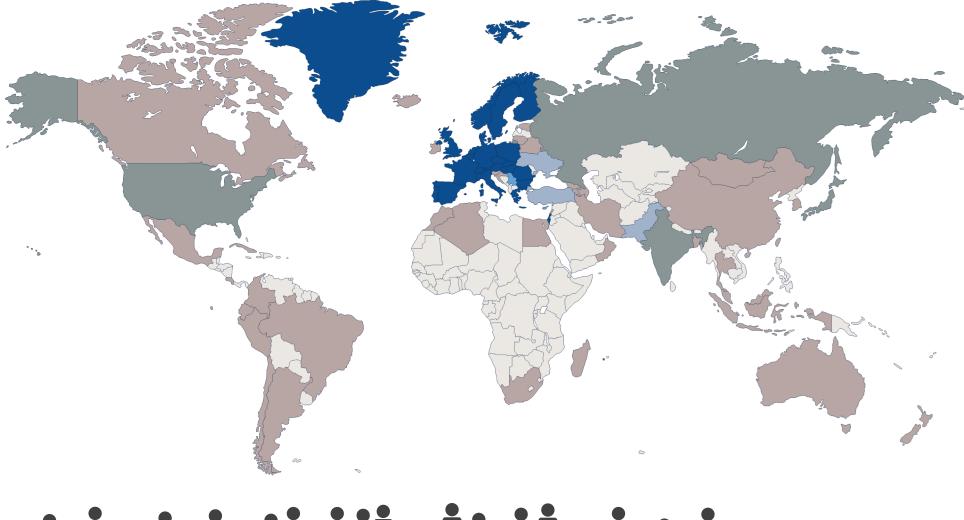


- Member States
- ASSOCIATE MEMBERS, PRE-STAGE OF MEMBERSHIP
- Associate Members States
- OBSERVER STATES
- OTHERS

70

- PEOPLE
 - 2 500 CERN staff
 - 12 000 Users from institutes
 - 1 400 Contractors
 - 100 Temporary labors

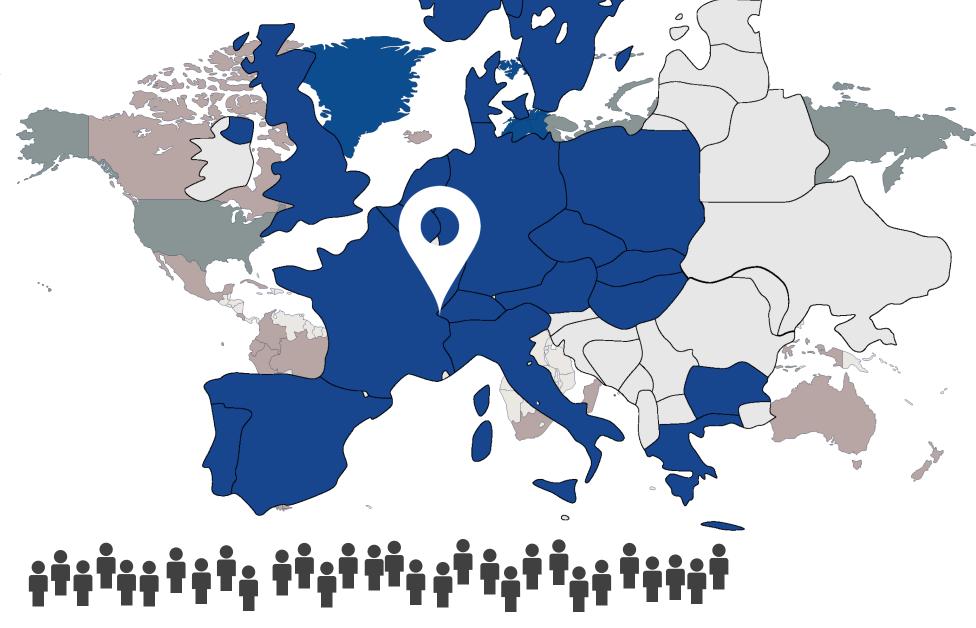
16000





LOCATION

• Franco-Swiss border near Geneva



PEOPLE



ENVIRONMENT PROTECTION

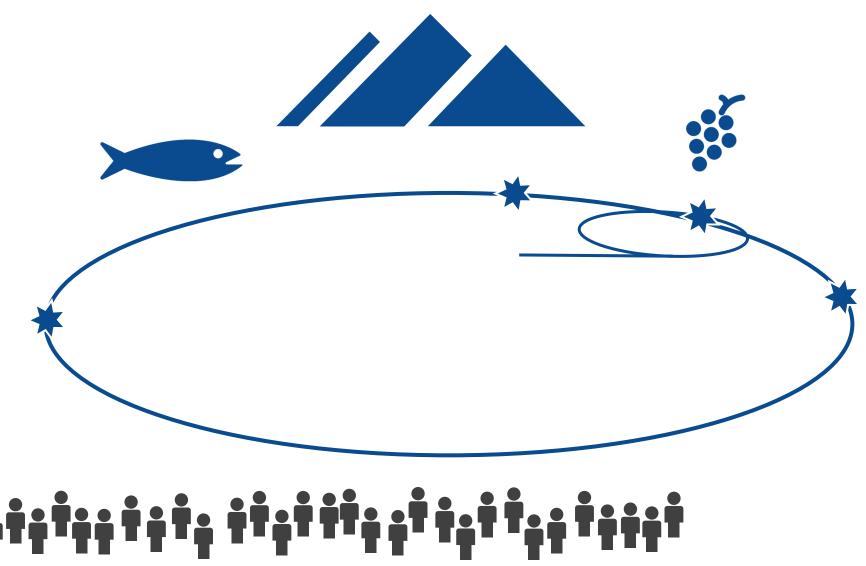
- Air
- Water
- Soil
- Noise
- Waste
- Energy
- Radiation

INSTALLATIONS SAFETY

- Chemical Safety
- Electrical Safety
- Fire Safety
- Mechanical Safety
- Radiation Protection
- Non-ionizing radiation
- Worksite

■ PEOPLE HEALTH

Everybody working at CERN





ENVIRONMENT PROTECTION

- Air
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■ INSTALLATIONS SAFETY

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Everybody working at CERN



DIRECTOR GENERAL

Executive of CERN

ORGANIC UNITS

- Following hierarchical line
- Implementation of Safety

Specialized Units

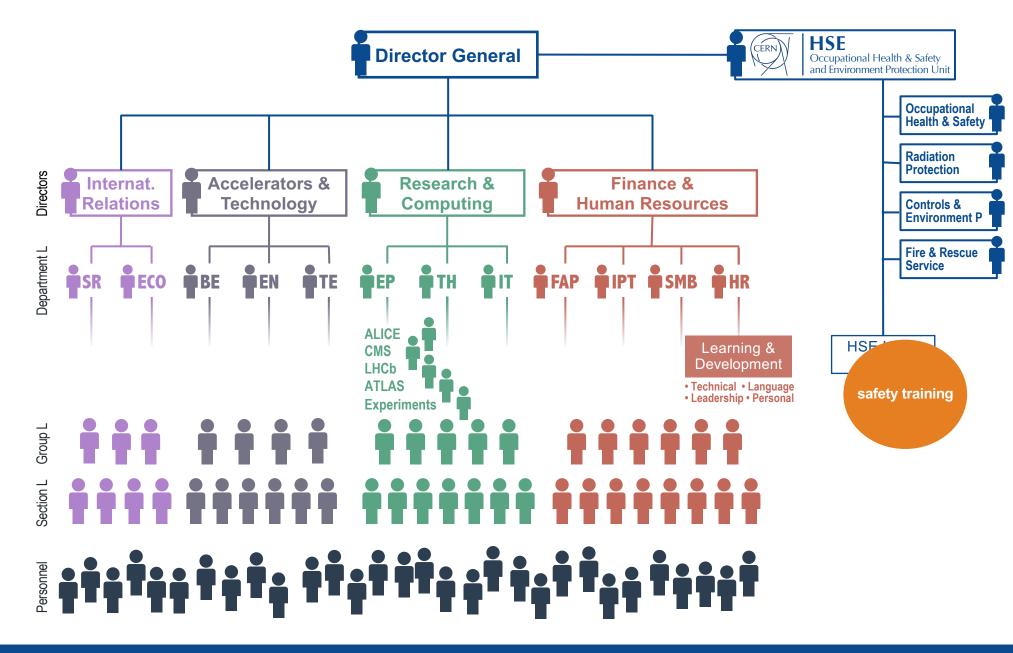
Specific tasks

INDIVIDUALS

Each person

HSE

- Reports to Director General
- Monitoring
- Assistance for Implementation of Safety
- Continuous training



- Mandatory for Everybody
- Before Activity
- Continuous
- QUALITY
- Language
- INSTALLATIONS
- Rules
- Quantity of Learners
- Diversity of Learners
- BEAM OPERATION SCHEDULE



- Mandatory for Everybody
- BEFORE ACTIVITY
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110 Exclusive Refresher Training English/French version

39



















Safety Organisation

ATEX Habilitation - Level 1
ATEX Habilitation - Level 2

Respiratory Protective Equipment - Fundamentals

Respiratory Protective Equipment - Fit Test

Chemical Accident

Rubidium - Handling - Contaminated Equipment

Rubidium - Handling - Transfer

Electrical Safety - Using Gloves

Electrical Certification - Non-Electrician - Initial

Electrical Certification - Non-Electrician - Refresher

Electrical Certification - Electrician Low Voltage - Initial / Refresher

Electrical Certification - Electrician Low and High Voltage - Initial / Refresher

Electrical Certification - Person making Tests in Labs or on Test Bench - Initial / Refresher

Electrical Certification - Electrician Low Voltage - Working with power on

Electrical Certification - CERN Firefighter - Initial

Electrical Certification - Personnel Radio Frequency - Refresher

Electrical Certification - Personnel Radio Frequency - Refresher - Train the trainer

Electrical Work - Lockout

Electrical Installation - Grounding

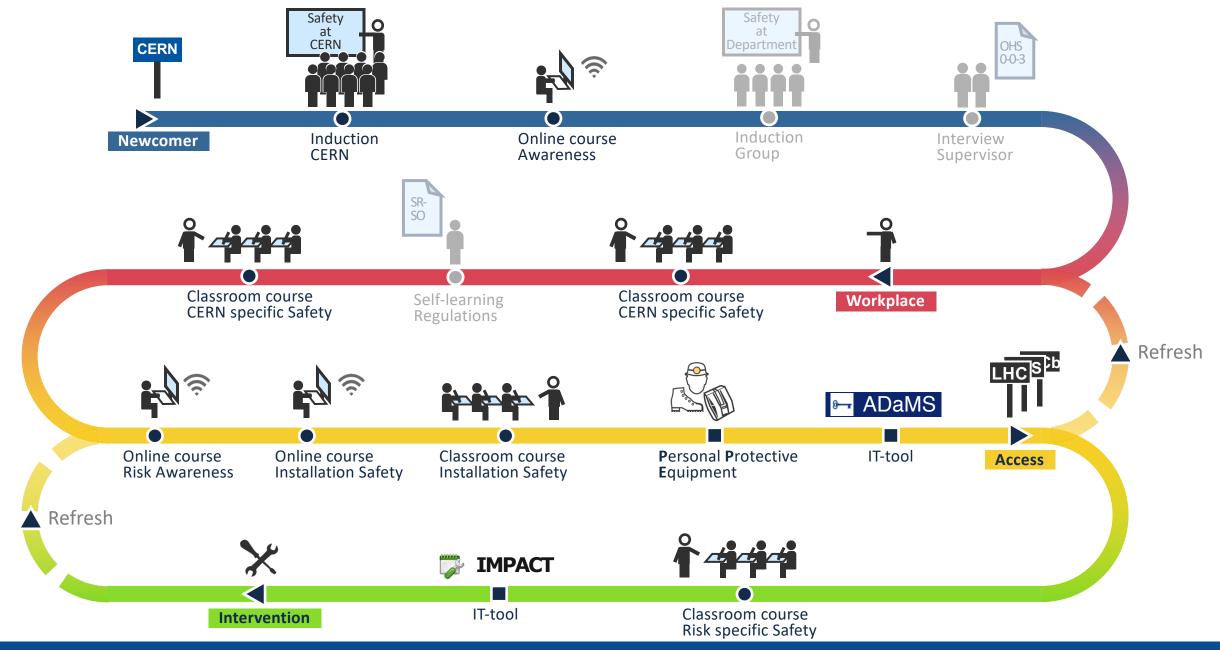
Electrical Installation - ATEX - Designing

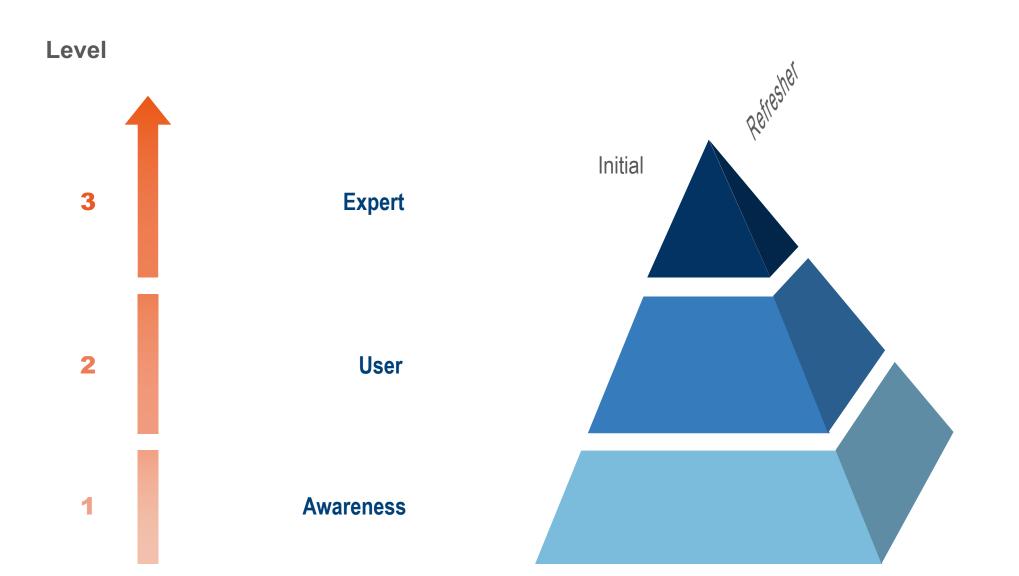
Electrical Component - Explosion Hazard

SF6 Gas - Operation - Awareness

SEG Cas Operation and Passyony Cartification







World Day for Safety and Health

...today but what about tomorrow?

safety training!

click here :-)
cern.ch/safety-training

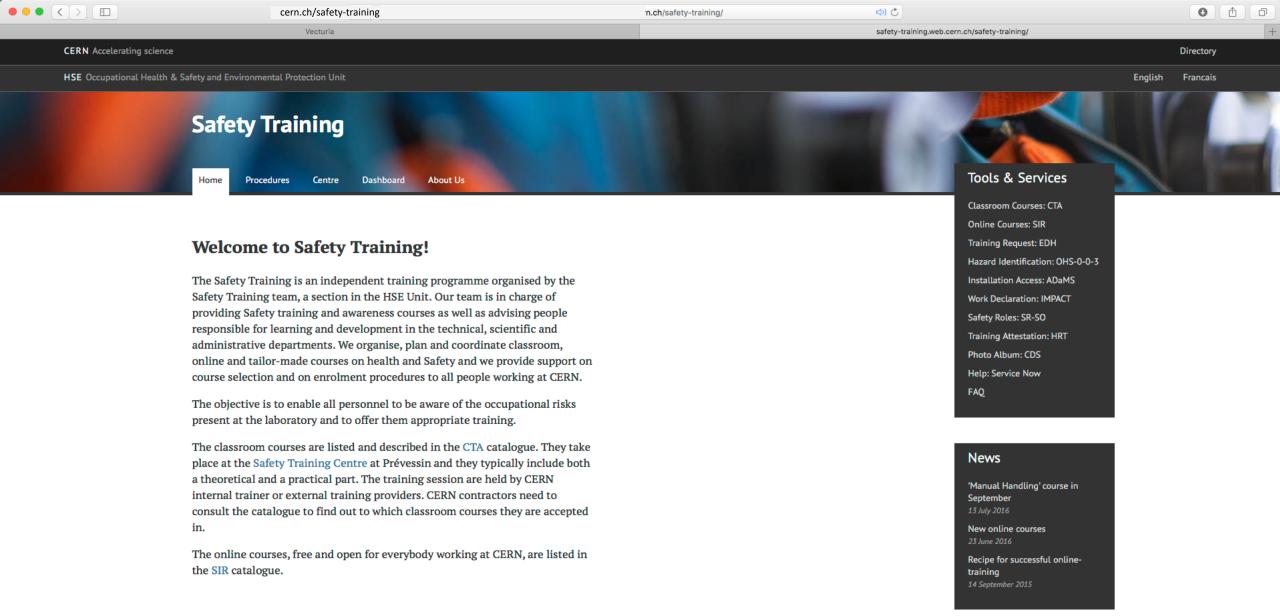
For more info, contact us! http://cern.ch/safety-training - safety-training@cern.ch

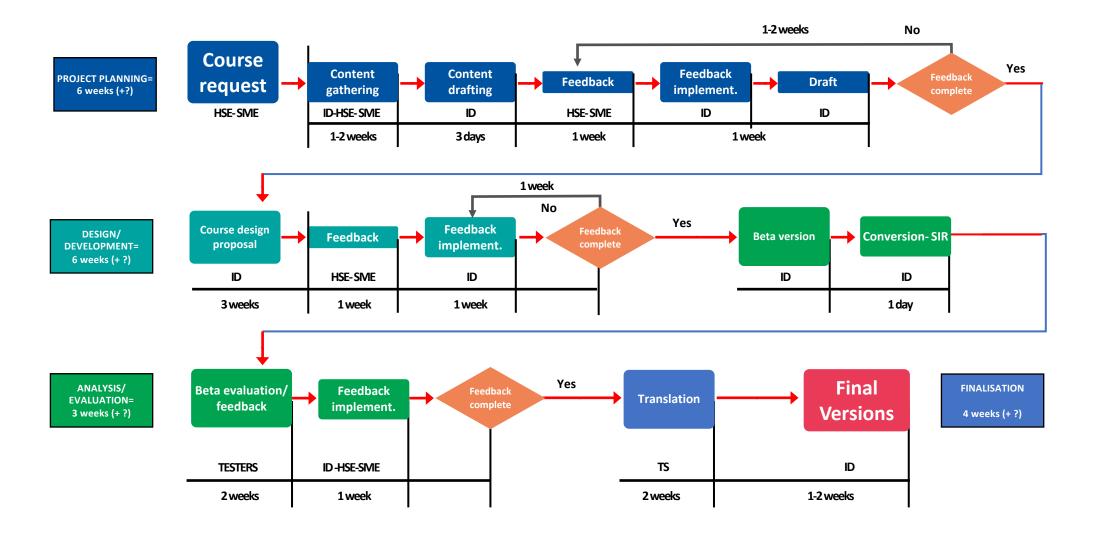












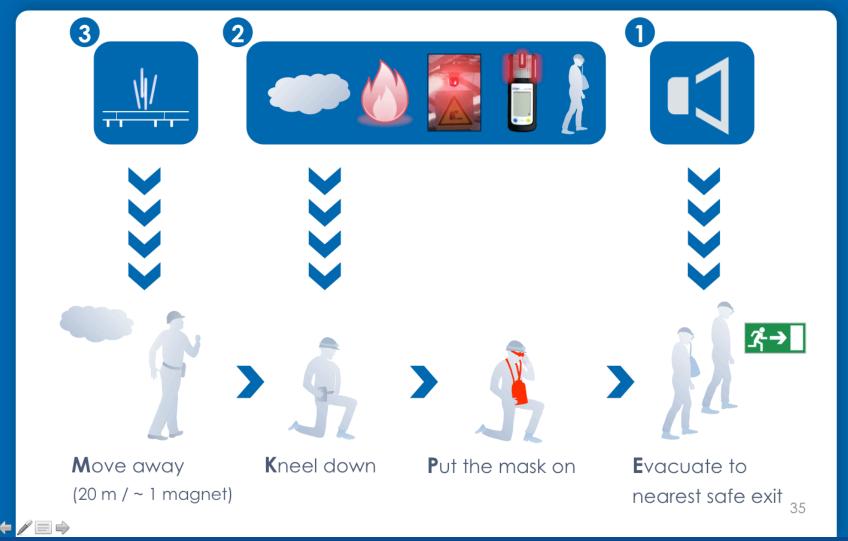
Minimum total creation: 20 weeks

Courtesy of: Rosaria MARRAFFINO

IV. How to respond in emergency situations?



Emergency Indicators and actions (Summary)





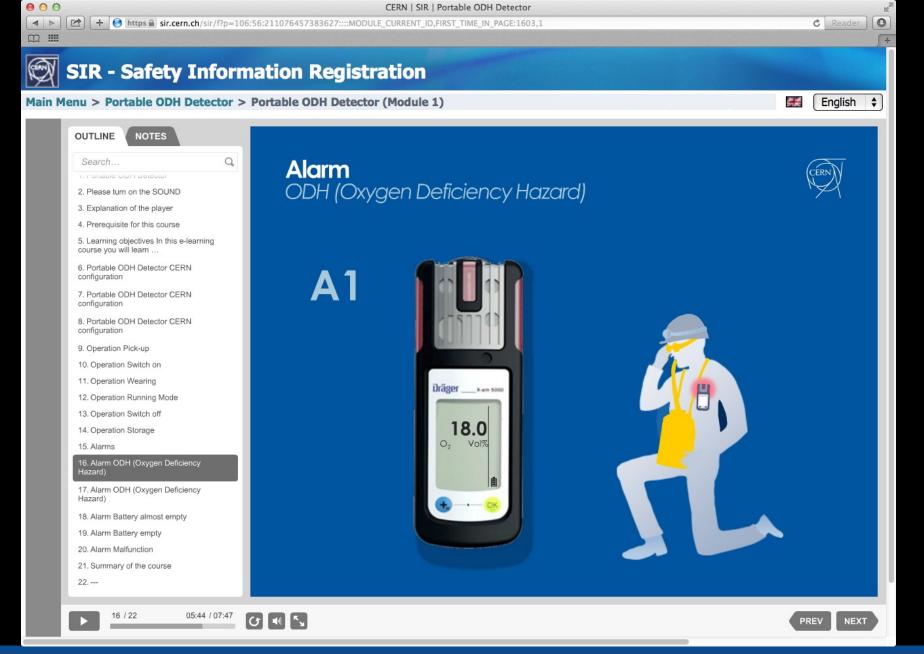


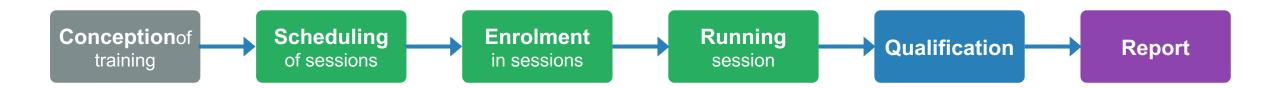


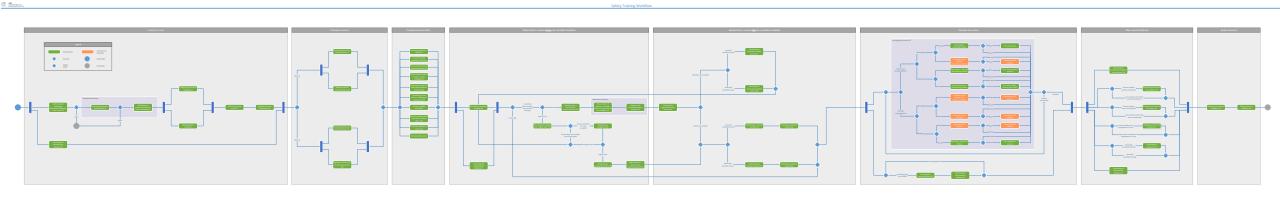


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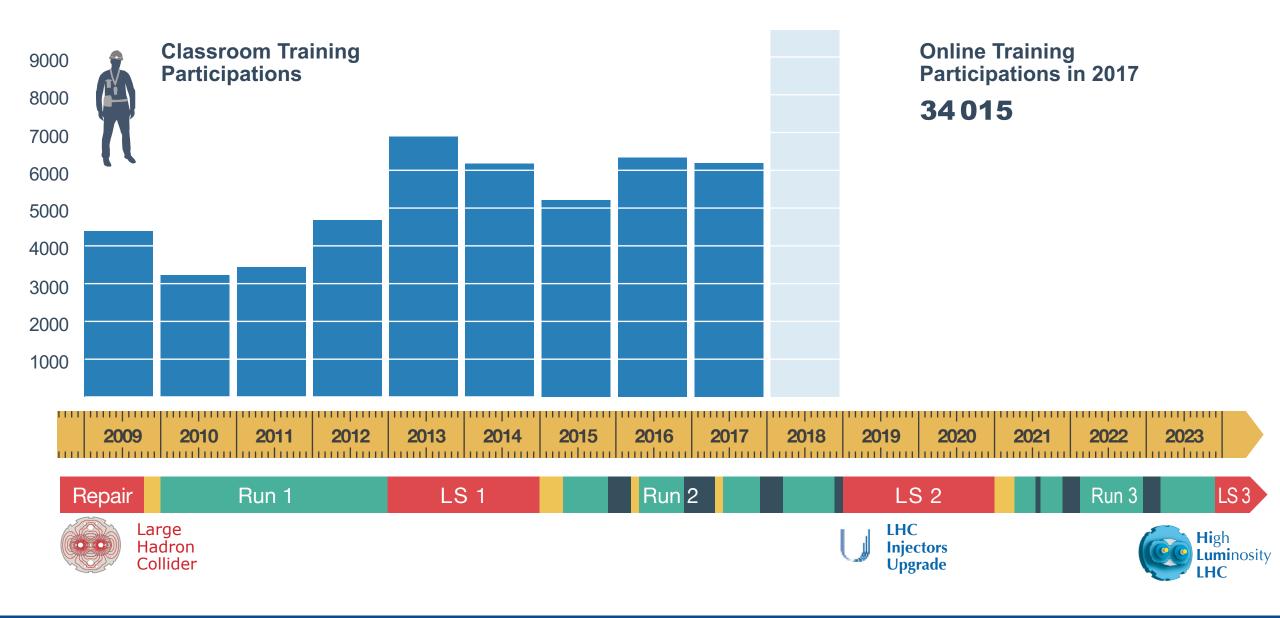




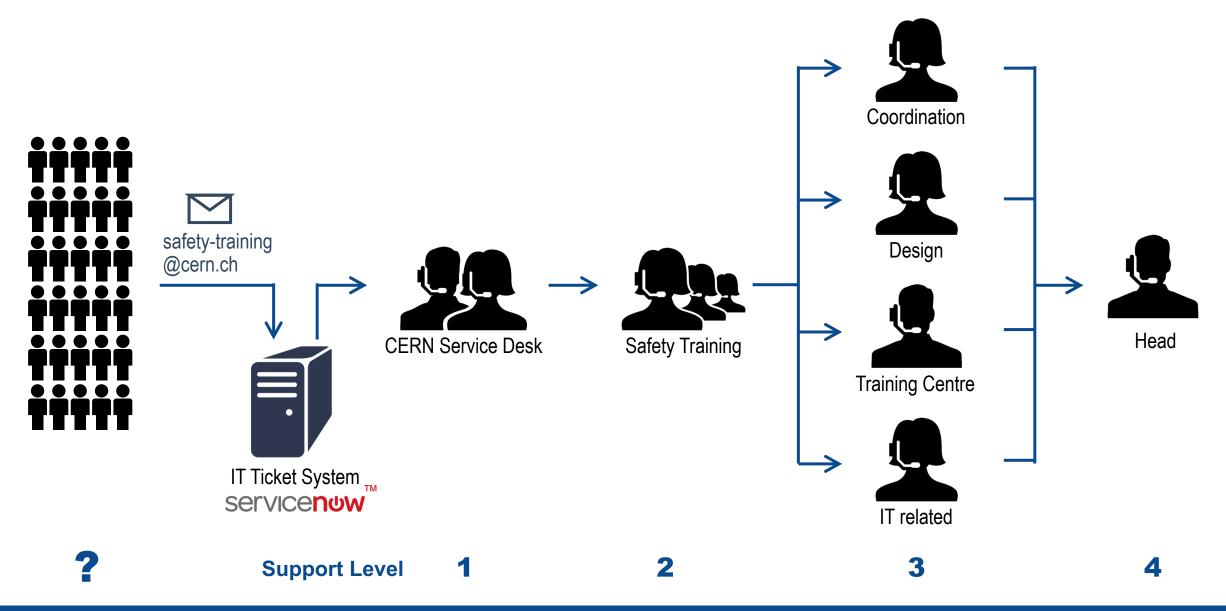












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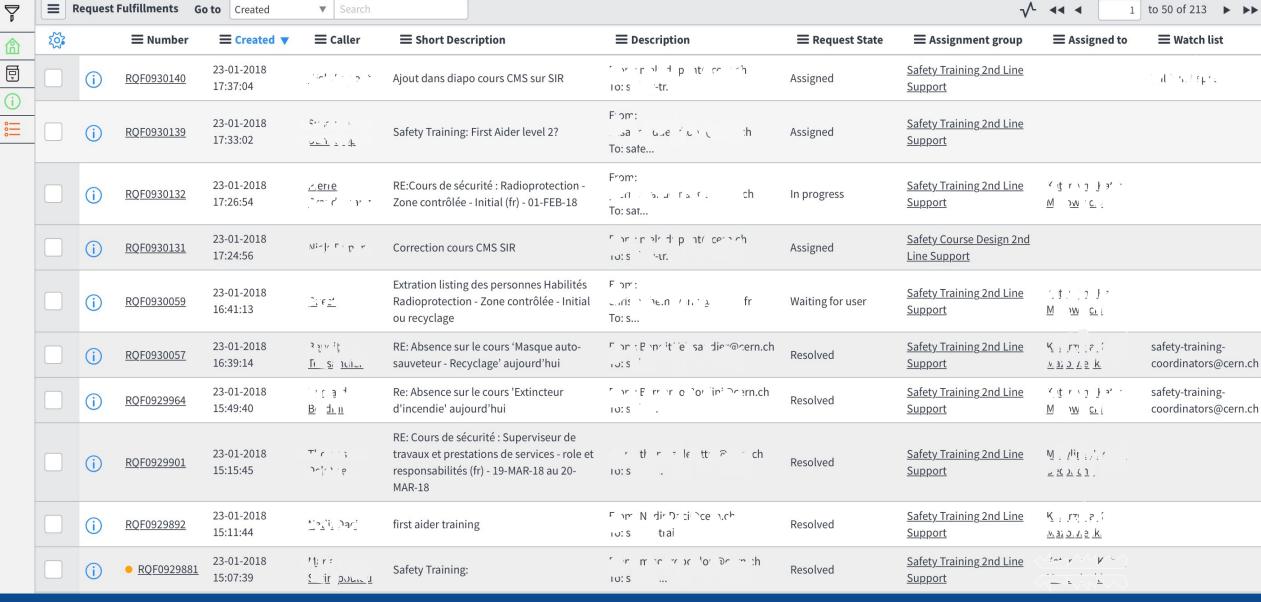




























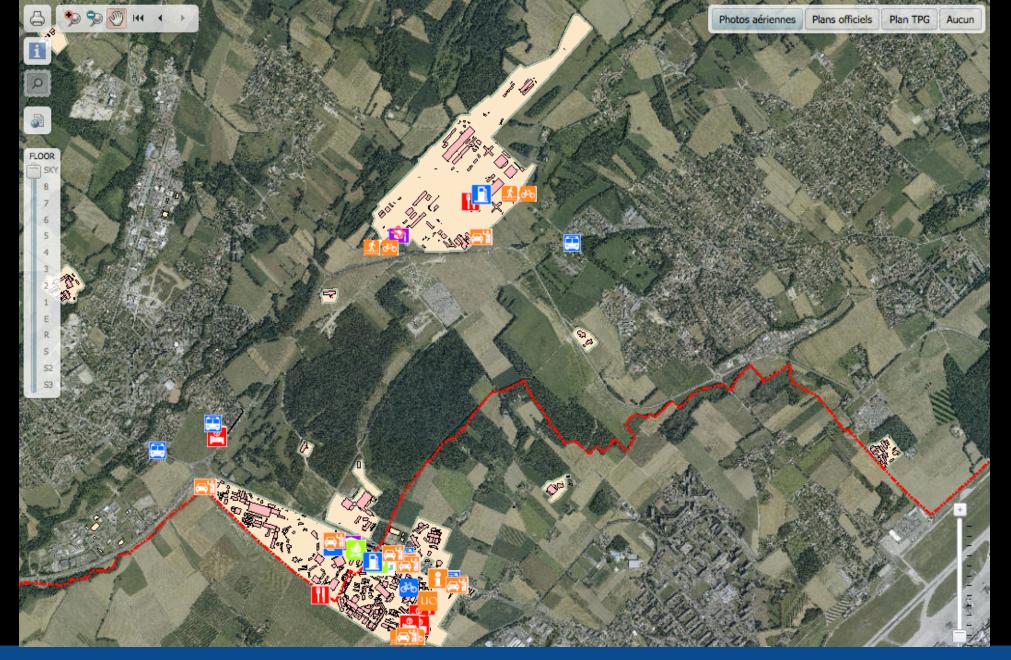








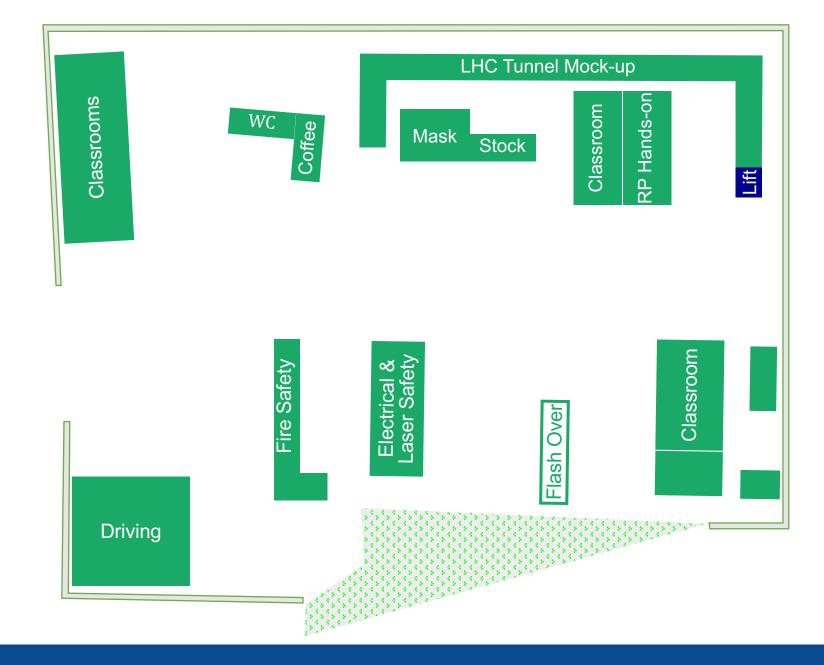


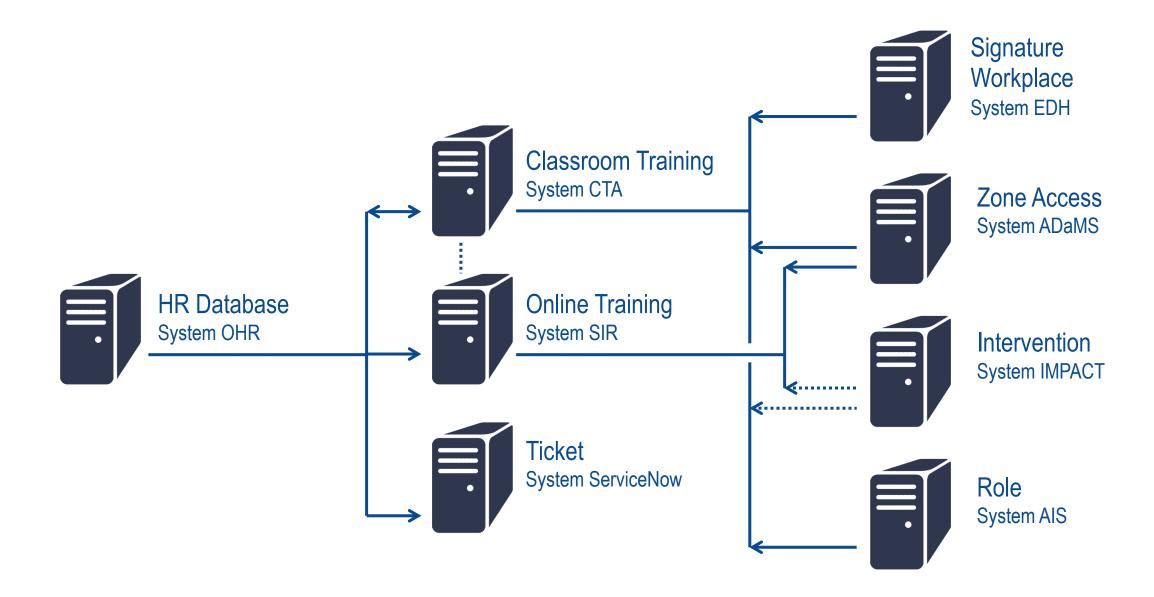


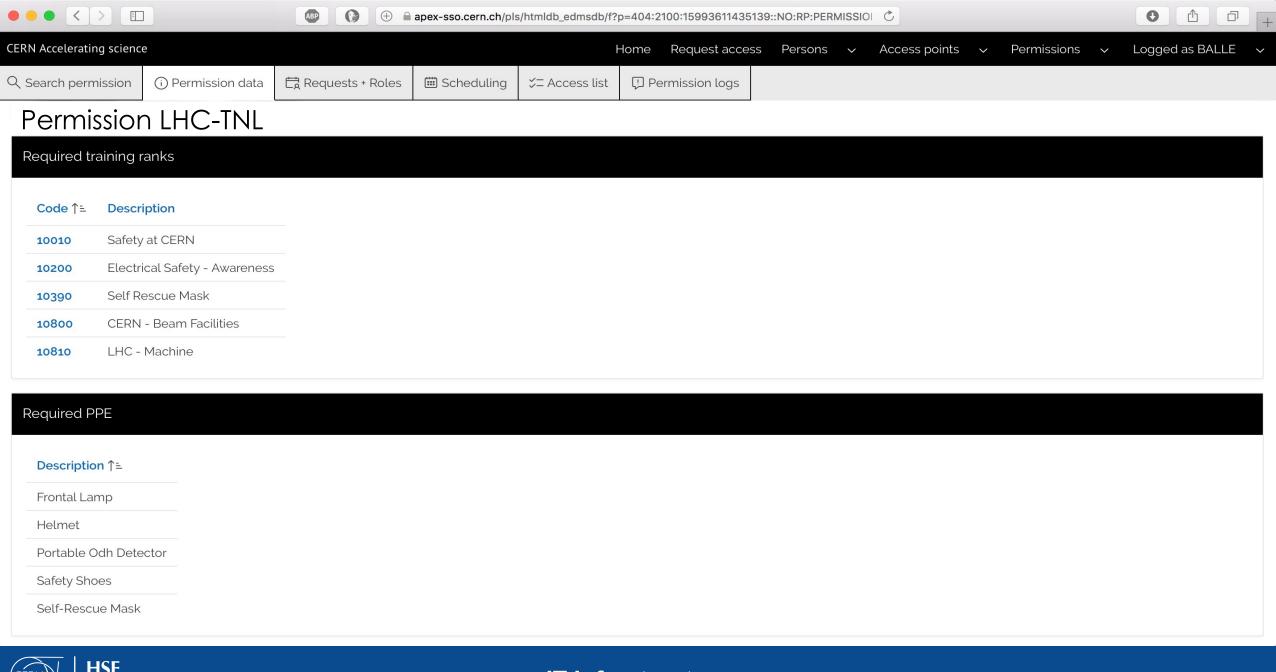


Safety Training centre

- 4 classrooms
- 5 hands-on facilities
- 1 tent
- 1 shuttle stop, parking
- 1 storage
- 1 workshop









Safety Form OHS-0-0-3 - Identification of occupational hazards











Urgent

601 - Use of LASERS

You are exposed to hazards related to non-ionising radiation if:

In carrying out your duties, you will need to use, even if very occasionally, or you think you may need to use lasers of class 2 (to a minimum)

or

In carrying out your duties, you will need to intervene, even if very occasionally, or you think you may need to intervene where lasers of class 2 (to a minimum) are settled in.

or

In carrying out your duties, you will need to intervene, even if very occasionally, or you think you may need to intervene in an area marked out by this safety sign



-Document(s)

IS 22 Rules for the safe use of lasers at CERN

Training(s)

- The "Laser User" and "Laser Expert" courses are offered in the CERN training catalogue.
- Registration
- More information

-Contact(s)

HSE

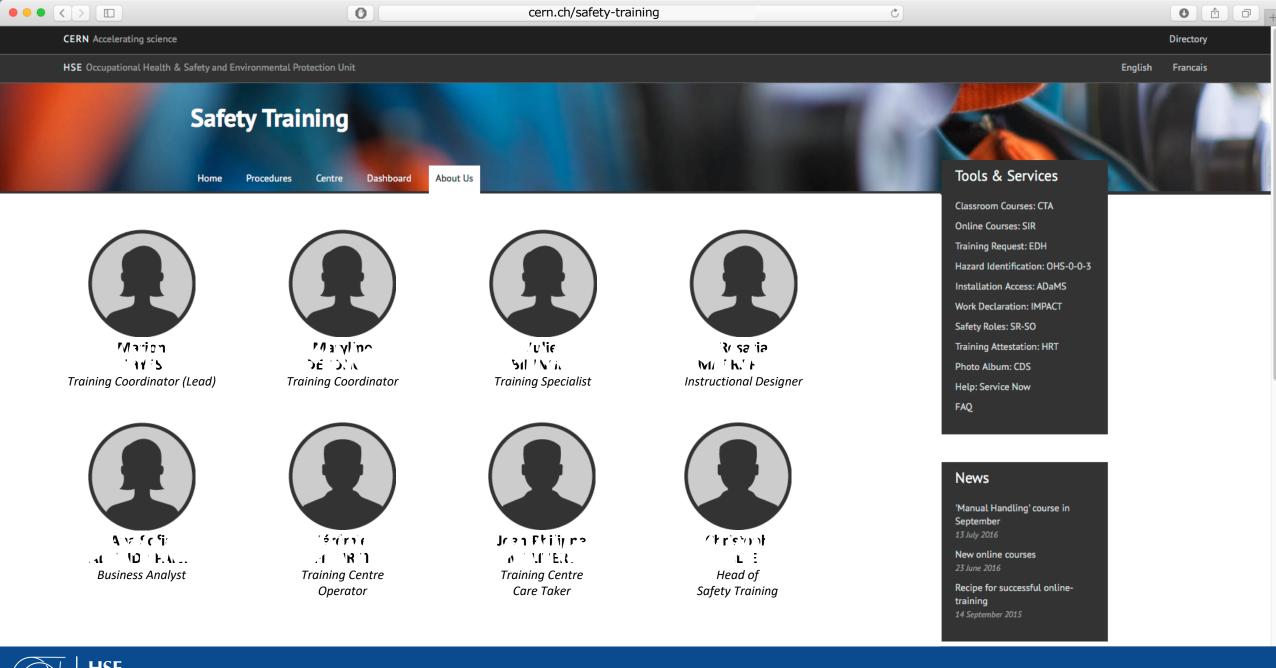
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Occupational Health & Safety and Environmental Protection Unit

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In case of questions please fill in a request here In case of problems please report an incident here





- Mandatory for Everybody
- Before Activity
- Continuous
- QUALITY
- LANGUAGE
- Installations
- Rules
- Quantity of Learners
- DIVERSITY OF LEARNERS
- BEAM OPERATION SCHEDULE



