

Hes·SO

Haute Ecole Spécialisée
de Suisse occidentale

Fachhochschule Westschweiz

University of Applied Sciences and Arts
Western Switzerland

Presentation of the new concept for the education

Concept from Romandie

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Haute école de santé
Genève



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Baden, sept. 22

SASRO
Scientific Association of Swiss Radiation Oncology

Outline

01 Introduction

02 Study Plan Framework

03 What's new for 2022

04 Conclusion



Introduction – Timeline

12.12.19: Kick-off meeting

2020

Study Plan design

- Based on the recommendations of the HES-SO
- Correlation with other training courses
- Feedback PEC 2012 (Alumni, Employers/Practice & Teaching Staff)

2021

Calendar & Axis design

- Planification of the 3 years of Bachelor education (180 ECTS)
- Integrative alternation: theoretical and practical training
- Axis construction (skills, objectives & preliminary themes)

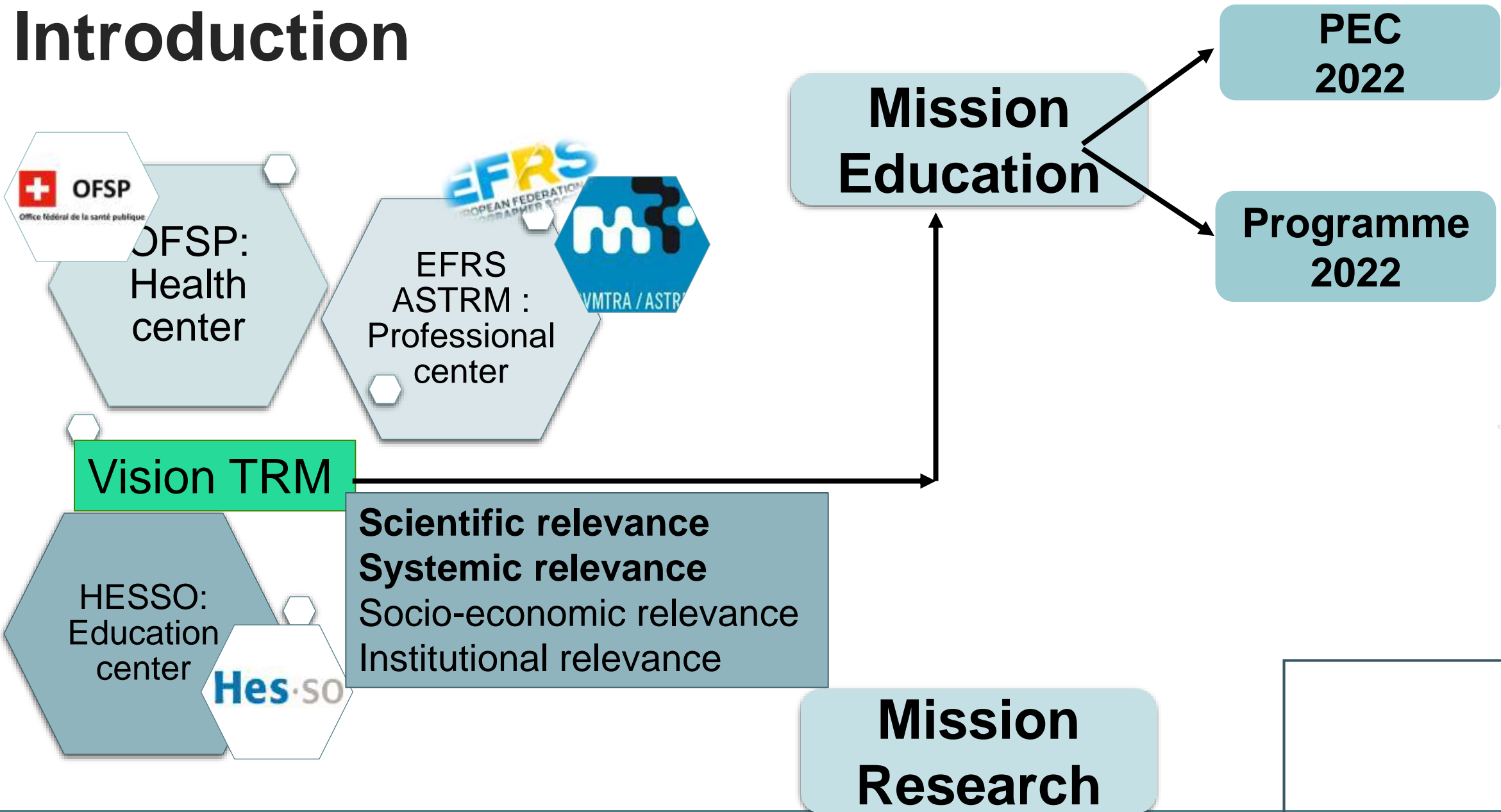
2022

Program design

- Modules' construction (content in relation to the objectives)
- Coordination of modules, contents & evaluations

09.22: Start of new program for BSc1

Introduction



Introduction: Why a new study plan?

Actual plan is from 2012...

- 10 y. old
- no longer in line with current training concepts & contents
- Follow the profession's evolution

Introduction

**Radiographers' development associated to
the field of knowledge**

**New
Technology**

Pillar 1

Research

Education

**New
Models
of
Care**

Pillar 2

Study Plan Framework: Objectives

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not

Knowledge
restitution

or

Know-How
to do

but

Real-life
situations
analysis

and

Identification of which internal
resources (knowledge and know-how)
and external resources (equipment,
partners, etc.) are relevant to solving
them by focusing on the repository of
skills, roles, functions, statuses, ...

Study Plan Framework: Areas (Axis)

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1

**Professional
development**

2

**Research &
innovations**

3

**Collaborative
care practices
intra and
interprofessional
person-centered**

4

**Quality
management,
radiological
risks
& safety of
care**

5

**Professional
Interventions
&
technology-
mediated
environments**

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Module's construction

Skills & competences



International & national recommendations with consultation of French part of Swiss radiological institutions

Objectives



Previous determination of “end of education” objectives & “teaching” objectives

Coherence



Articulation of whole annual program between each modules (content & chronology)

“Scenarioization” & Courses Content



Elaboration of detailed content based on reference clinical situations

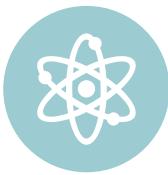
What's new for 2022



Practical education



**Integrative alternance &
Integrative module**



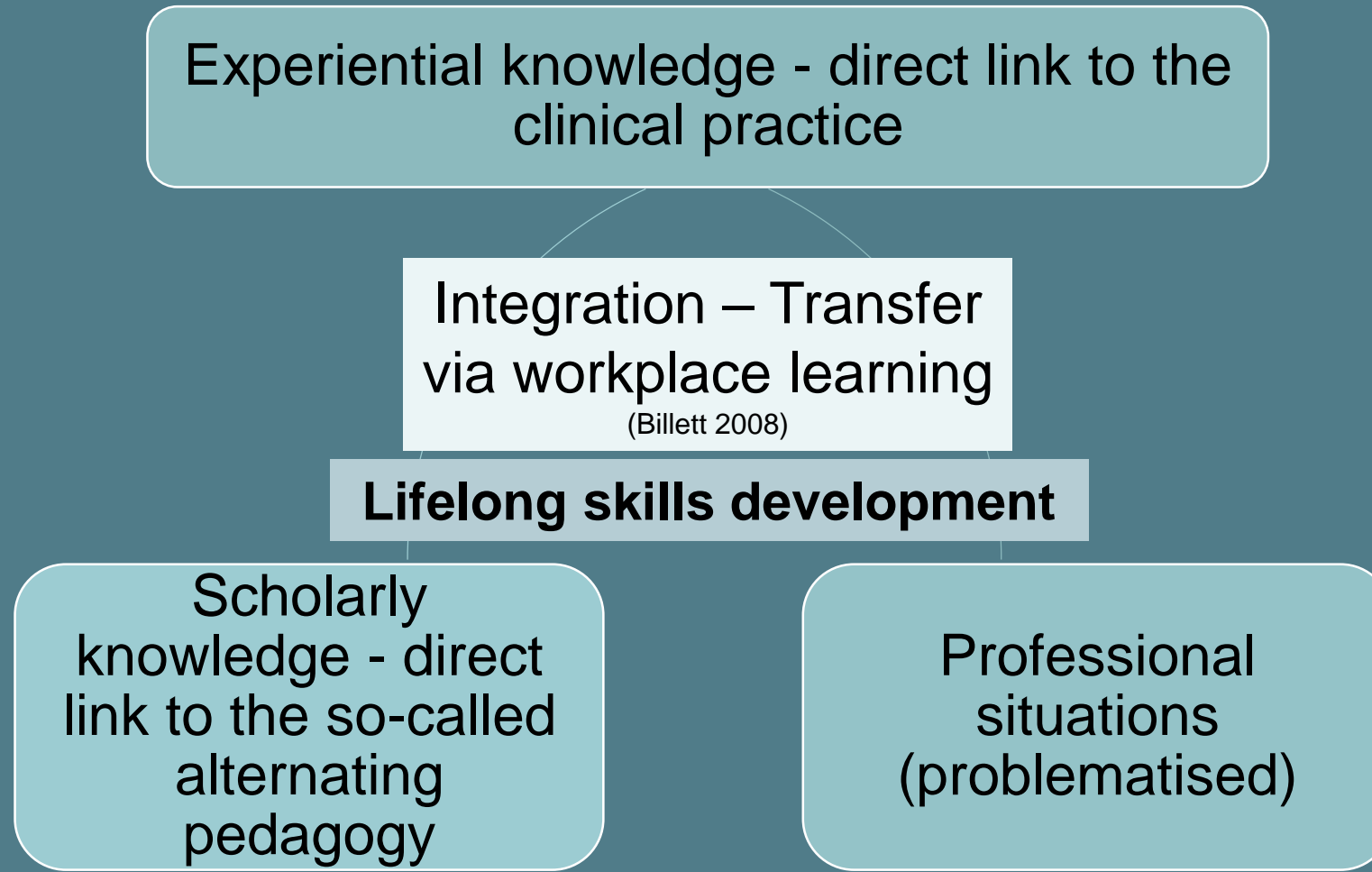
**“Break the ice” of modalities
& discipline**



New tools

What's New for 2022: Integrative Alternance

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What's New for 2022: Integrative Module

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At the end of 1st semester & before practical education (also in 2nd and 3rd)

Based on «real» clinical situations

Oriented to skills assimilation from theoretical contents of different modules

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What's New for 2022: “Breaking the ice” of Modalities & Disciplines

**Integrative
Competency
Development (ICD)**

**“specific”
competencies**

Competencies related to “technical and radiologic processes”

Competencies related to “patient care”



“soft” skills

**“generic”
competencies**

What's New for 2022: Taxonomy

Skills



Integrative & transfer objectives

Ex: to adapt multimodal diagnostic and therapeutic management cases on a clinical and technical level



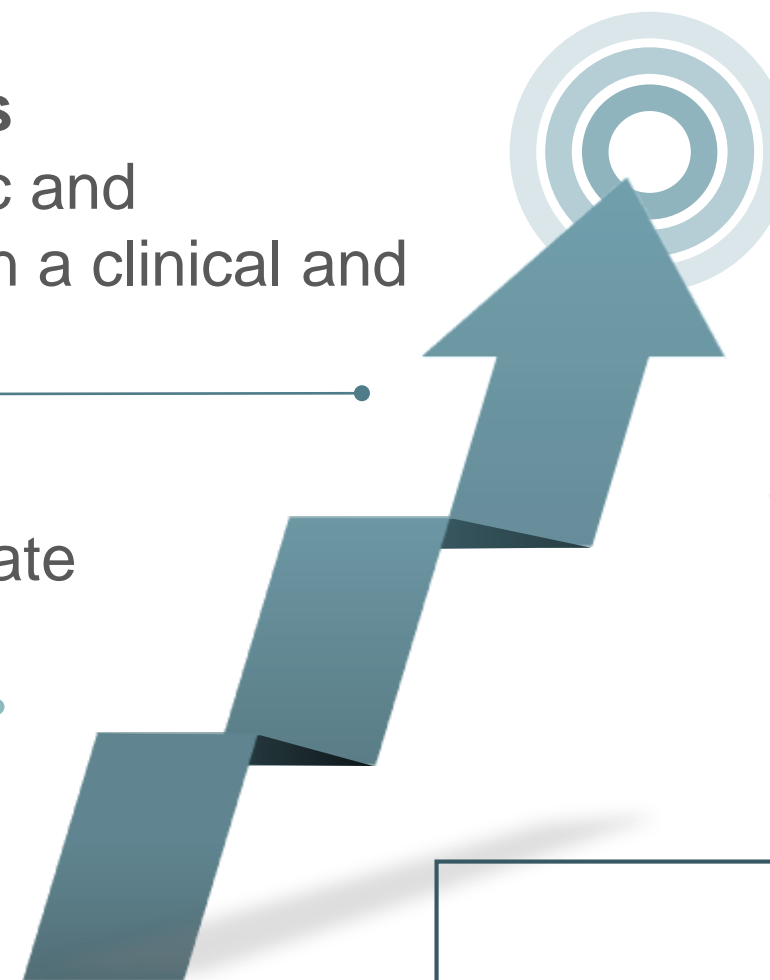
Reflexive objectives

Ex: to apply dosimetry concepts to estimate doses from ionising radiation.



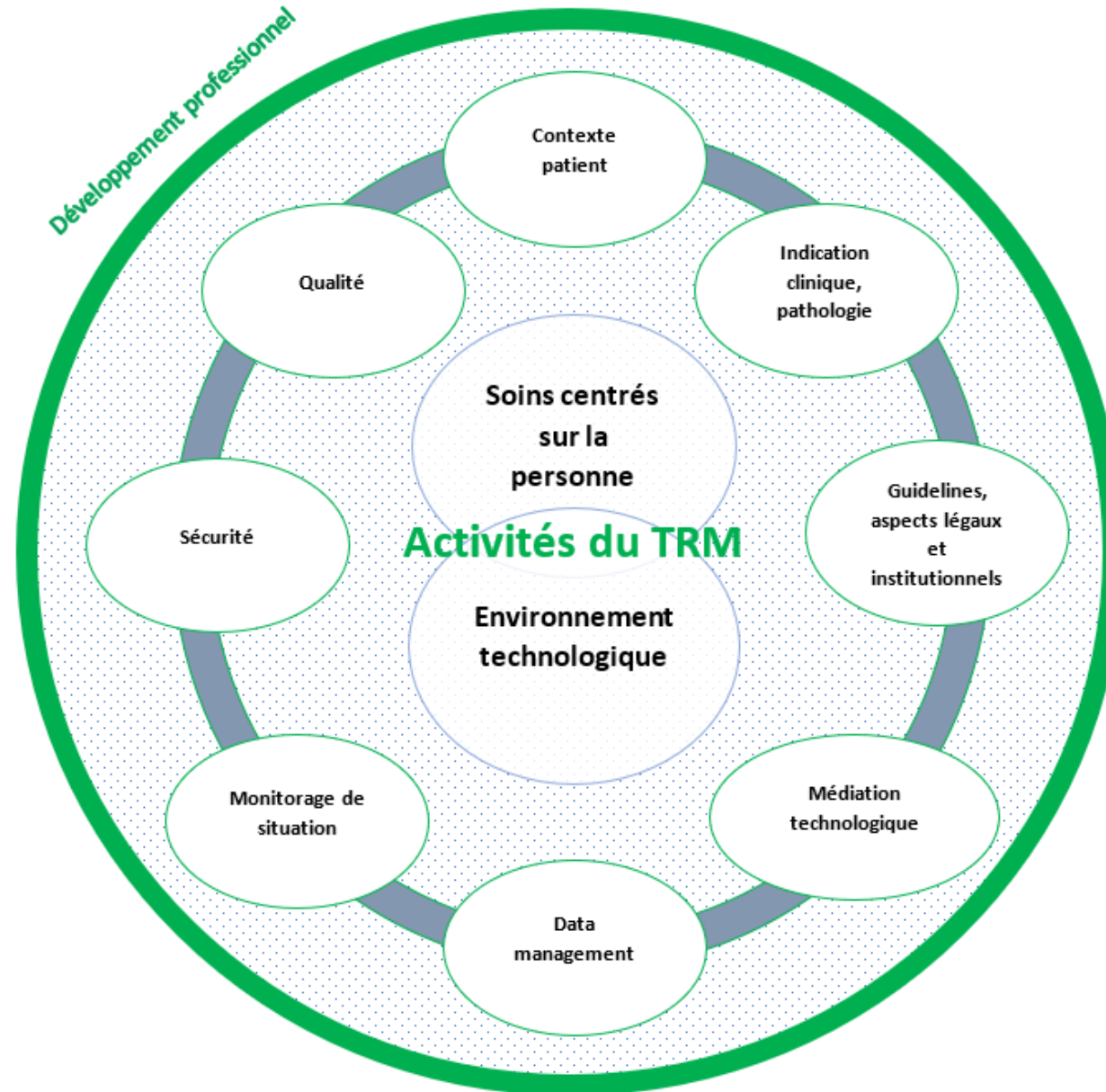
Cognitive objectives

Ex: To describe the technological elements of equipment for different imaging and radiotherapy modalities



What's New for 2022: Radiographer's “Operator Model”

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What's new for 2022: professional situations

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(problematised)

Reference Learning Situation

A person falls from a height. She is treated for this trauma in the emergency room.

Example

Integrative reference situation - integrative module

Mrs Haribo, 64y patient with a hearing impairment, has fell. She was treated for an open wound and suspected fracture(s) by the ED. She was bedridden and monitored, had a left THP. Her BMI is 32. Following the initial medical imaging examinations, an “accidental” bone neoplasia was identified.

Importance of
module's & courses
scenarioization

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No more modules called "radiation oncology"

- More links between modalities and disciplines
- Integrative module with case studies & practical workshops
- Still courses with specific RO content (LINAC, clinical procedures, IGRT, ...)
- Clinical practice weeks at Bsc1, 2 and 3



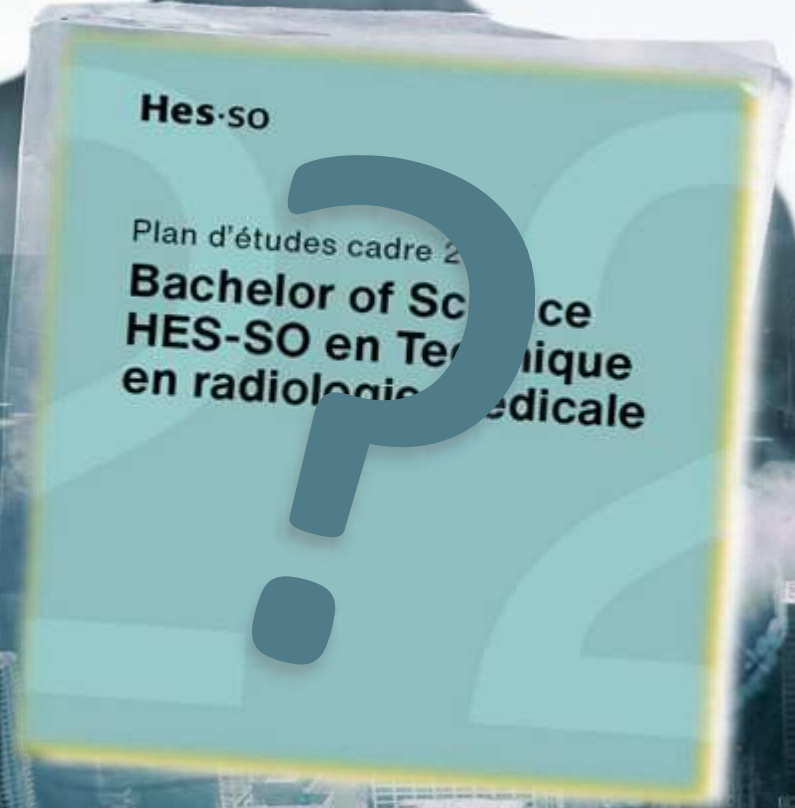
Conclusion

Data collection still in progress

Referent's consultation

“Youth Mistakes”

2nd and 3rd years under construction



Thanks for your
attention



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