

An e-Learning program dedicated to Rare Eye Diseases in Europe, an ERN-EYE initiative

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ERN-EYE in brief

Launched in March 2017 concomitantly with 23 other European Reference Networks (ERNs), ERN-EYE is a highly specialized network dedicated to Rare Eye Diseases (RED) and is constituted by 29 Healthcare Providers (HCPs) in 13 European Member States. RED encompasses more than 900 diseases identified in the Orphanet database and ERN-EYE members organized themselves in four major Clinical Working Groups: Retinal diseases RED, Neuro-ophthalmology RED, Paediatric RED and anterior segment RED.

Summary – Purpose of the project

One of the major Goals of our ERN is to promote and develop the knowledge within the network.

The program aims to involve today's most renowned experts across the EU and also internationally in addition to an e-learning module for all the ERN members.

In this context two different types of e-learning projects are planned within ERN-EYE: independent e-Learning modules for general public or non-specialists and one complete course on RED for professionals/care givers who want to improve their knowledge in RED. For the course for professionals, the choice of eLearning modules allows us to adapt to geographical constraints (all our members and affiliated partners countries have to have access), time constraints (E-Learning is accessible 7/7; 24/24 for asynchronous sessions and synchronic session available everywhere; no need to dedicate whole days) and cost constraints (no travels required for all students, use of the available tools at the best).

2 different objectives

2 different eLearning programs

- General e-Learning videos
 - General Public & Patients
 - Free access
 - Analysis of the needs before each new one
- Complete ERN-EYE e-Learning program
 - RED specialists
 - Regulated access
 - Analysis of the needs based on the ERN-EYE survey results
 - Official recognition (Academic Validation – Strasbourg University)

See poster 161 Theme 4

What are the added values of this eLearning program for professionals?

Main goal: bring the best care to all EU citizen affected by a RED

Accessible to all european professionals

With most renowned expert for Europeans Countries

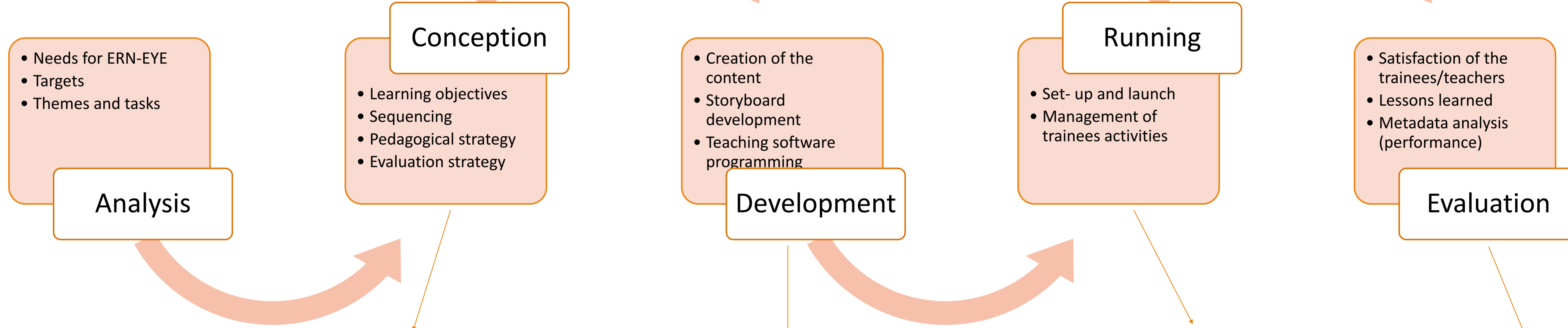
Establish a reference educational program dedicated to Rare Eye Diseases

Students expected to come from a wide background

- pregraduate students in the field of ophthalmology
- medical genetics
- visual sciences
- post graduates healthcare professionals
- any stakeholder willing to improve knowledge in the field

Common objective of improving their knowledge in the field of RED

The steps of the conception of the program



- Needs for ERN-EYE
- Targets
- Themes and tasks

Analysis

Conception

- Learning objectives
- Sequencing
- Pedagogical strategy
- Evaluation strategy

- Creation of the content
- Storyboard development
- Teaching software programming

Development

Running

- Set-up and launch
- Management of trainees activities

- Satisfaction of the trainees/teachers
- Lessons learned
- Metadata analysis (performance)

Evaluation

Conception: 4 modules for Rare Eye Diseases

Because the field is extremely broad for clinical and scientific research, ERN-EYE is launching an eLearning program to provide a wide access to knowledge in the field including the basic clinical and scientific background as well as the cutting edge up to date research and therapy developments.

- Inherited Retinal Diseases (available this year)*
- Anterior Segment Diseases (coming next year)
- Neuro-ophthalmology (coming next years)
- Rare Diseases Care in an European environment, challenges and opportunities (coming next years)

*:N.B. due to the COVID-19 situation the release may be slightly delayed

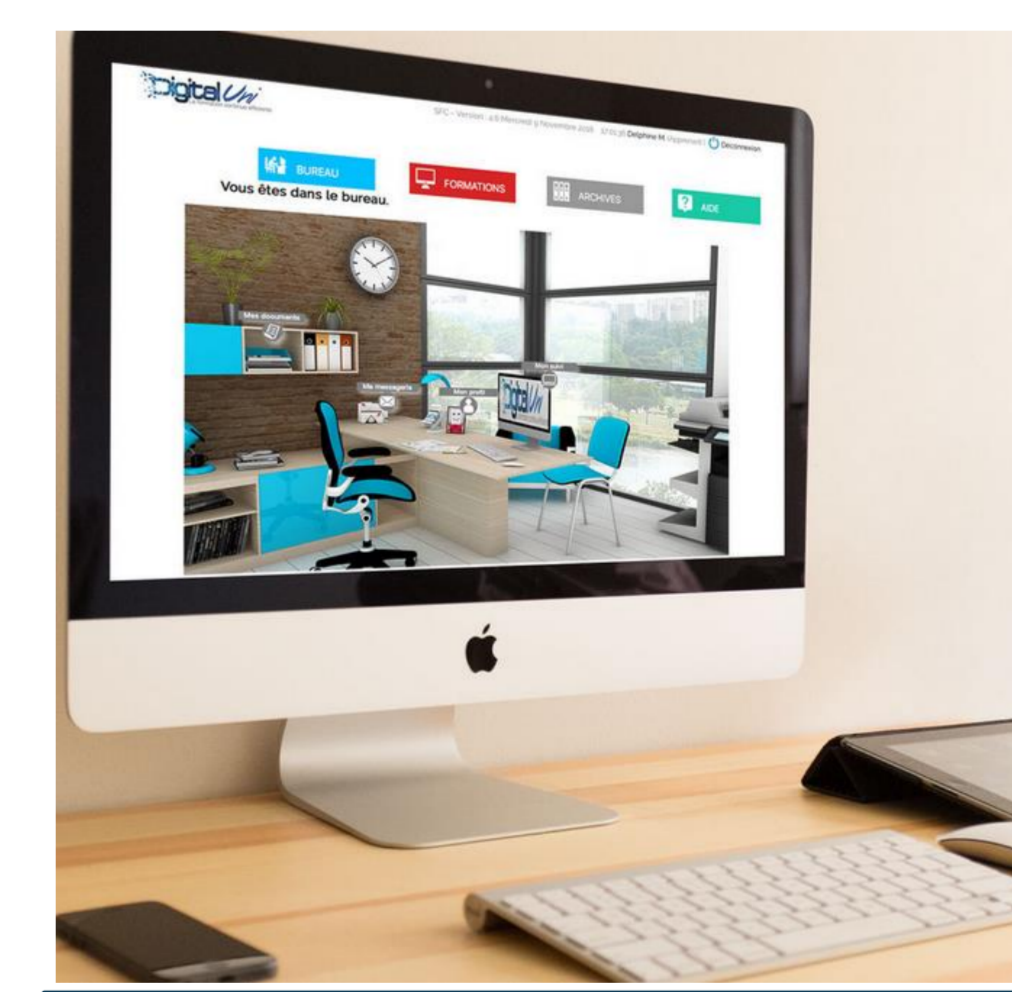
The program is under validation within ERN-EYE working groups

First module

INHERITED RETINAL DISEASES
First module of ERN-EYE e-learning program

SCIENTIFIC MANAGER
Pr Hélène Dollfus - Faculty of medicine, Professor, Ophthalmology & Genetics - HUS, France

TEACHING COMMITTEE
Pr Bart Leroy - Associate Professor, Ophthalmology, Ophthalmic Genetics & Visual electrophysiology, Ghent University, Belgium
Pr Michael Larsen - Professor, Chief Physician, Eye Clinic and University of Copenhagen, Denmark
Pr Isabelle Meunier - Professor, Ophthalmology, Montpellier University, France
Pr Isabelle Audo - Professor, Ophthalmology & Genetics, Institut de la Vision, France



- Learning Management System Digital'Uni**
- ✓ Online courses
 - ✓ Synchronic sessions
 - ✓ Clinical cases analysis
 - ✓ Resources to consult
 - ✓ Bottoms up sessions
 - ✓ Small groups work
 - ✓ Evaluations
 - ✓ Virtual classrooms



Formation Continue

Université de Strasbourg

Conclusion

We anticipate that this eLearning program will enable all ERN-EYE members to share their expertise more easily across Europe for sharing their knowledge and thus improve RED-affected patient care. The first module dedicated to inherited retinal diseases, available this year will be followed by the Anterior segment and the Neuro-ophthalmology modules.