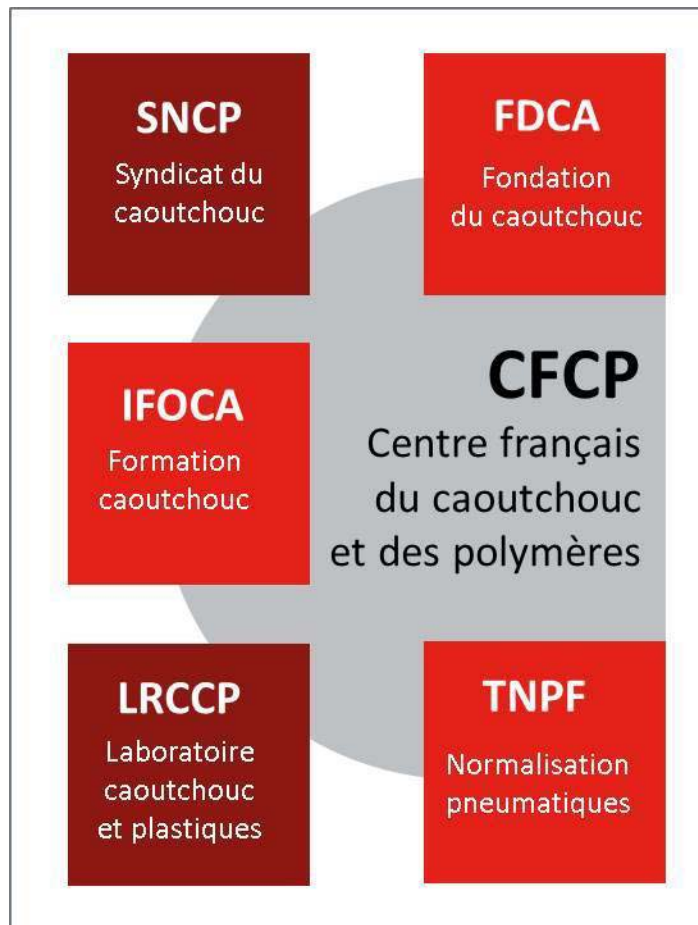




ETRMA Conference « Skills and new education tools » Brussels, october 6 2015

The First MOOC for the Rubber Industry

The Tyre and Rubber Industry The French Example



CFCP : Organisation and key Figures

- CFCP is a multi-disciplinary skill centre gathering engineers, doctors, technicians, legal experts and economics experts
- A consolidated turnover exceeding 8 millions € per year with more than 70 employees



IFOCA: Training



- **National vocational training and education institute for rubber technology**
 - Created in 1942
 - 12 employees
 - Around 30 students per year
- **Higher education:**
 - 1 Licence degree
 - 1 Master degree
- **Vocational training**
 - Inter company training
 - Intra company training
 - Qualification, certificat
 - 500 people per year

3 new initiatives from CFCP a breakthrough in Europe

- June 2014 : Creation and launching of the Rubber Foundation (FDCA)



- The Rubber Foundation will sponsor R&D actions and Education within the Rubber Industry
- 9 founding members committed including 2 companies from the tyre industry, 4 companies from the GRG, 2 companies from the raw materials and the French Rubber Association
- A 2015-2019 5 years Business Plan = 1 million € investment



3 new initiatives from CFCP a breakthrough in Europe

- Octobre 2014, creation of an European platform ERRLAB
European Research and Rubber Laboratories



- Putting together resources coming from 3 main european laboratories :
 - LRCCP Paris - France
 - DIK Hanover - Allemagne
 - Cerisie Milan - Italie

With 3 National Associations SNCP, WDK, Assogomma and ETRMA

- First studies decided on :
 - Rubber fumes and dust from vulcanization process
 - Lixiviation tests - SEVESO III

3 new initiatives from CFCP a breakthrough in Europe

IFOCA (Rubber school) is implementing digital solution for Initial and Vocational training

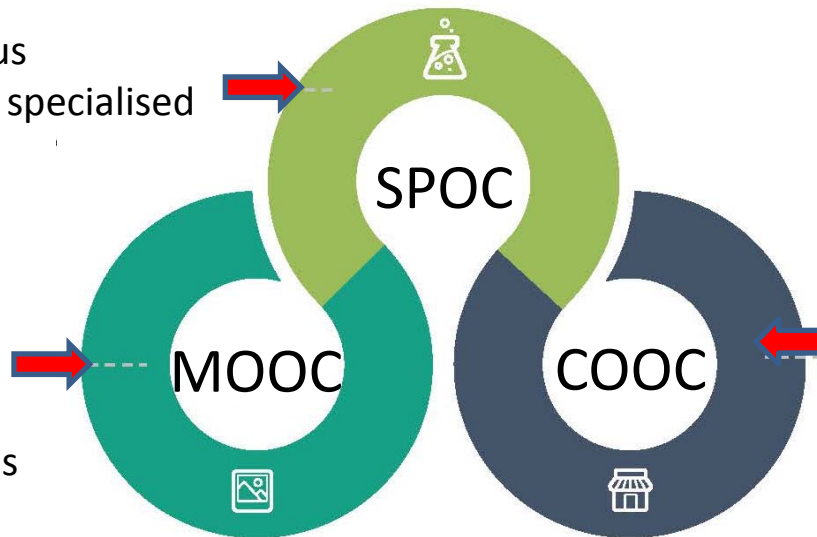
- From jan/feb 2016 IFOCA will launch the first MOOC (Massive Open Online Courses) in Europe, devoted to Rubber technology !
- From jan/feb 2016 IFOCA will launch 2 first SPOC (Small Private Online Courses) one dedicated to « Elastomeric materials and Finite Elements Simulation » and the other one dedicated to « Failure analysis »
- New other initiatives to federate Rubber training throughout Europe

Digitilisation of learning constitute a new tool to bridge the skills gap in the rubber industry

3 OFFERS FOR 3 NEEDS

Small groups of focused professionals from various companies for a deep and specialised expertise

A large public, a large audience for an initiation of Rubber technology and Rubber industry challenges



Large company or organization who need a customised learning for its employees

Digitilisation of learning constitute a new tool to bridge the skills gap in the rubber industry

IFOCA Strategy

- MOOC « Rubber Technology » :
 - free, available in french in February 2016
 - cooperation with german, Spanish, Italian Rubber Associations to make the MOOC available in national languages throughout Europe
- SPOC
 - 2 first SPOC available in french in February 2016 possibly in national languages later on
 - more SPOC to come 2017-2019 with a goal of 7 SPOC alive
 - Price : 50% of cost/person compared to traditional method

Digitilisation of learning constitute a new tool to bridge the skills gap in the rubber industry

IFOCA Strategy :

- COOC
 - : - adapted for large corporation
 - designed to train 500 to 5000 employees throughout a country, Europe or worldwide
 - price : around 70K€/project
 - IFOCA will launch first COOC in 2017