

Securite Sanitaire des Aliments (MSc - Food Safety)

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Quo va dis l'Afrique?

Renforcement de Capacite pour le Developpement

- Proactive Model

Use of Knowledge for better understanding

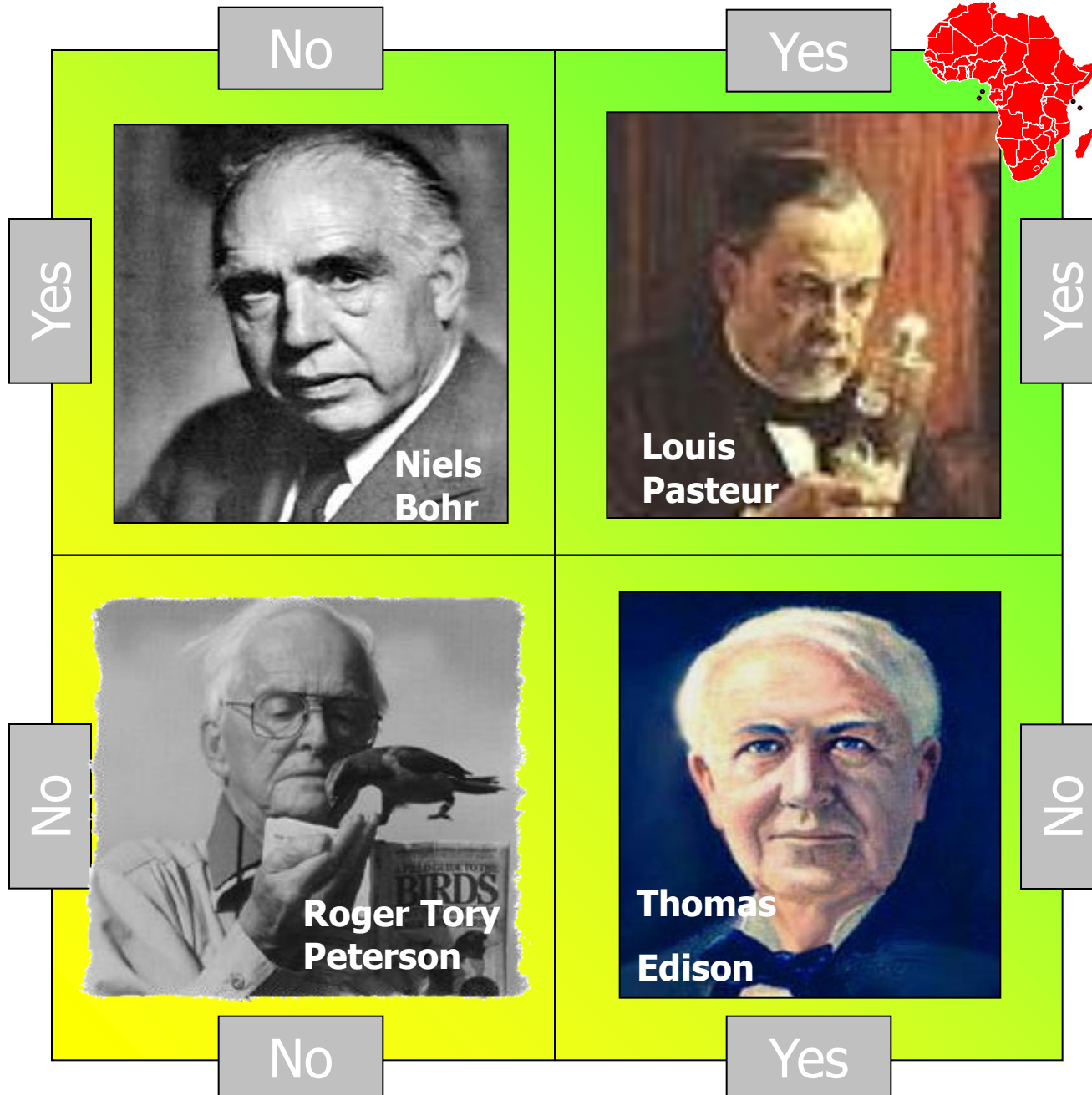
- Reactive Model

Application of knowledge

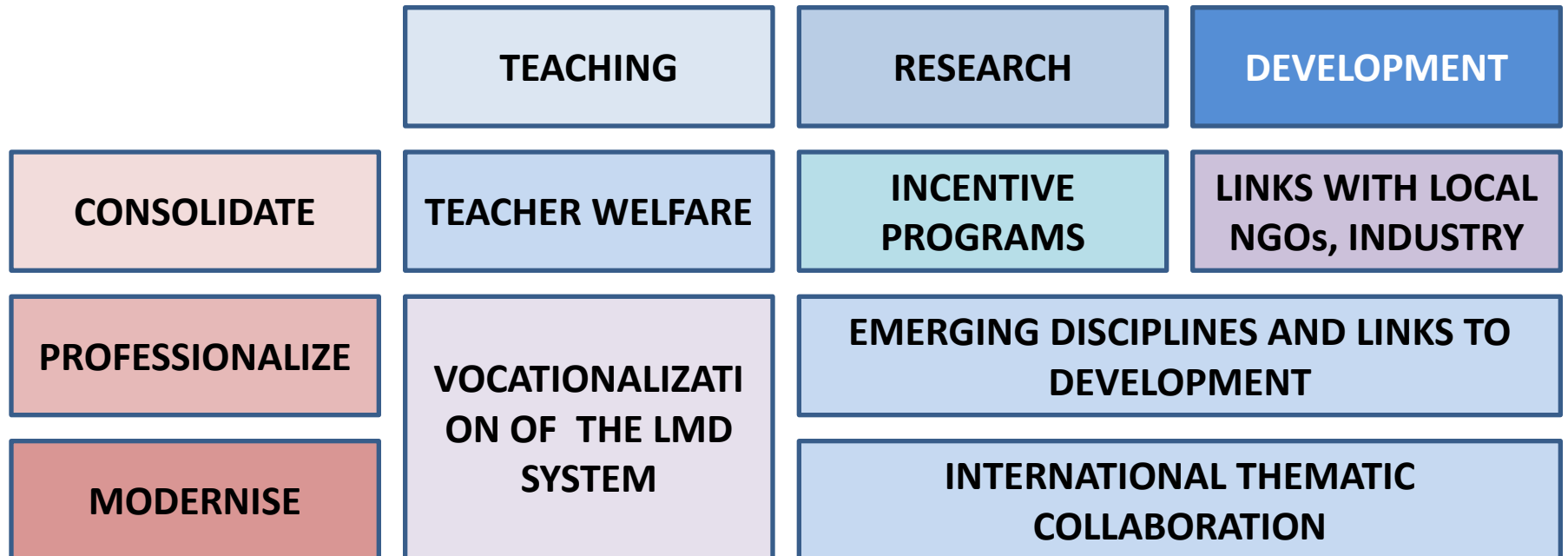
Considerations of use?



Quest for fundamental understanding?



Le Contexte de la CEMAC: UYI - 3 Missions – 3 Strategies



Les Objectives

L'enseignement proposé aura donc pour objectifs de former des spécialistes de la sécurité sanitaire des aliments.

Il comportera cinq séquences :

- disciplines scientifiques et technologiques ;
- outils du contrôle de la qualité ;
- enseignements spécialisés ;
- enseignements complémentaire et un practicum
- stage en entreprise

3 Specialites

| Entry Requirement | | Employment Opportunities |
|--|--------------------------------------|---|
| Doctor in Veterinary (DVM) | Food Assurance | Food Inspection and Certification |
| BSc in Veterinary and Aquatic Engineering Sciences, | | Management of food safety lab, set up of SME, Assist lab prepare for Inspection Assist DVM in their duties |
| BSc in Biochemistry, Chemical Pathology, Toxicology | Veterinary Laboratory Science | Food safety lab, management of nutrition services, creation of diagnostic lab, SME, vet research lab, QC officer is food processing |
| BSc in Animal Production, Zoology | | Self-employed animal forms, SME |
| BSc in Microbiology,, | | Management of food safety lab, management of SME, Management of Vet diagnostic lab |
| BSc. Food Technology | | QC officer is food processing, Management of SME |
| BSc. Biomedical Sciences, | | Safety Lab, SME, Epidemiology Intelligence Service |
| LLB in Law, BA in Sociology/Anthropology | Veterinary Public Health | Policy/Regulatory Boards/Market Research Expert |

Structuration des modules mensuels

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 |
|------------------|------------|---------------|---|------------|------------|
| Item | Lectures | Personal Work | Tutorials/ Complimentary Courses/Practicals | Practicuum | Total |
| 5 Credits | 30H | 60H | 30H | 30H | 150 |

| Month | Course code | Course Title | Lectures | Alternates |
|----------|-------------|--|----------|------------|
| October | SA401 | Foodborne Disease | | |
| November | SA403 | Industrial Biochemistry | | |
| December | SA405 | Food Allergy and Intolerance | | |
| January | SA405 | Hazard Analysis and Critical Control Point (HACCP) Development | | |
| February | SA407 | Research Methods in Food Safety | | |

Structuration des modules mensuels

| | | | | |
|------------------------------------|--------------|--|--|--|
| March | SA402 | Epidemiology and Statistical Methods in Food Analysis | | |
| April | SA404 | Audit and Management | | |
| May | SA406 | International Food Law | | |
| June | SA408 | Food Safety Management | | |
| July | SA410 | Project Development and Implementation Analysis | | |
| August – Exams and Holliday | | | | |
| September | SA412 | Governance and Entrepreneurship | | |

Les cours complementaires

| Option | Code | Course | Lecturer | Alternate |
|--------------------------------|-------|---------------------|----------|-----------|
| Food Assurance | SA529 | Socio-Anthropology | | |
| | SA531 | Epidemiology | | |
| | SA533 | Chemical Pathology | | |
| Food Safety laboratory Science | SA535 | Verterinary Science | | |
| | SA537 | Animal Production | | |
| | SA529 | Social Anthropology | | |
| Veterinary Public Health | SA535 | Verterinary Science | | |
| | SA537 | Animal Production | | |
| | SA533 | Chemical Pathology | | |

Les cours de specialisation

| | | |
|----------|-------|--|
| October | SA501 | Inspection and Certification: Agro System and Performance Measurements |
| | SA503 | Food Safety laboratory Science : Molecular Detection Methods in Food Biotechnology |
| | SA505 | Veterinary Public Health: Regulatory Bodies – FDA |
| November | SA511 | Inspection and Certification: Information Systems |
| | SA513 | Food Safety laboratory Science : Bioinformatics |
| | SA515 | Veterinary Public Health: Knowledge Translations and Policies |
| December | SA521 | Inspection and Certification: Monitoring and Evaluation of the Food Systems |
| | SA523 | Food Safety laboratory Science: Epidemiology and Zoonoses -M bovis and B bovis |
| | SA525 | Veterinary Public Health: Decision Making and Communication |

Guide d'Enseignements

- Tous les cours se fait en diapo powerpoint
- Le 1e diapo porte le titre et nom de l'enseignant
- Le 2e le plan du cour
- Le 3e les objectives d'enseignements
- Les 3 derniers diapos comprennent:
 - La conclusion ou message a retenir
 - Les references biblio ou webographiques et liens internet
 - Les remerciements divers y inclus les sources des diapos
- Tous les cours doivent etre accompagne de 2 documents en pdf relatif au cour
- Les cours doivent se faire de manniere participative

Remerciements

- **EDULINK LIVE/Union Européen**
- **Universités Italiens a travers l'Univ. Udine - Coordonnateur**
- **Universités de la CEMAC**
 - Tchad
 - Cameroun
 - Gabon
 - Guinée Equatorial
- **Les developpeurs du curriculum**
 - Dr Adiogo
 - Dr Abega Olama
 - Dr Tange Emmanuel
 - Wilfred Mbacham, ScD