

Description according the French Qualifications Framework

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ENGINEER AGRO PARISTECH

THE FRENCH QF

- ✘ 8 levels
- ✘ But 2 of them are empty (levels 1 and 2)
- ✘ The French QF is based on 2 nomenclatures adopted in 1967 (duration of studies) and 1969 (level of autonomy and responsibility)
- ✘ The 2002 law establishing the RNCP and rules to be registered in the RNCP plans a new nomenclature linked to EQF
- ✘ 3 descriptors are commonly used : knowledge, know-how and competences

KNOWLEDGE

- ✘ Knowledge to analyze and model complex and uncertain systems;
- ✘ Knowledge to imagine, design and implement robust, innovative solutions et scientific, technical, economic, social, environmental level integrating the short, medium and long term;
- ✘ Knowledge to take into account the societal responsibility

KNOW HOW

- ✘ Analyse, evaluate and manage existing production systems
- ✘ Design and implement innovative systems
- ✘ Evaluate the quality of the environment and of eco-systems services
- ✘ Evaluate the environmental impact of agriculture, forestry, industry
- ✘ Analyse the environmental risks

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- ✘ Propose and implement sustainable methods of management, planning and production
 - ✘ Design plans of management of resources
 - ✘ Design environmental technologies and process
 - ✘ Propose adapted solutions to global changes
 - ✘ Analyse the dynamics within groups of actors and set up arrangements for coordination adapted to the situation and to the environmental issues
 - ✘ Propose an efficient agenda for actions legally, economically and socially adapted to the relevant activities

COMPETENCES

- ✘ Scientific and technical competences:
- ✘ Competences in project management: capacity to lead and manage projects in all their dimensions
- ✘ Competences in communication: oral and written communication, two foreign languages
- ✘ Competences in team management: lead and manage a team or to cooperate within a high level team

Level 7

DUBLIN DESCRIPTORS

KNOWLEDGE

Have demonstrated knowledge and understanding that is founded upon and extends and/or enhances that typically associated with the first cycle, and that provides a basis or opportunity for originality in developing and/or applying ideas, often within a research context;

KNOW HOW

Can apply their knowledge and understanding, and problem solving abilities in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study

COMPLEXITY AND RESPONSIBILITY

Have the ability to integrate knowledge and handle complexity and formulate judgements with incomplete or limited information, but that include reflecting on social and ethical responsibilities linked to the application of their knowledge and judgements

COMMUNICATION

Can communicate their conclusions, and the knowledge and rationale underpinning these, to specialist and non-specialist audiences clearly and unambiguously

EMPOWERMENT

Have the learning skills to allow them to continue to study in a manner that may be largely self-directed or autonomous.