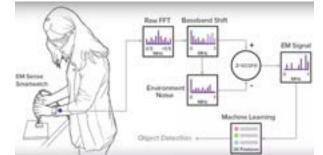


ÉCOLE DOCTORALE Environnements - Santé

Bourgogne | Franche-Comté

N° 554







Dewritished Income

Dreametime.com



Welcome PhD first day



IMMERSION DANS LE QUOTIDIEN D'UN CHERCHEUR



C - takes

Outlines



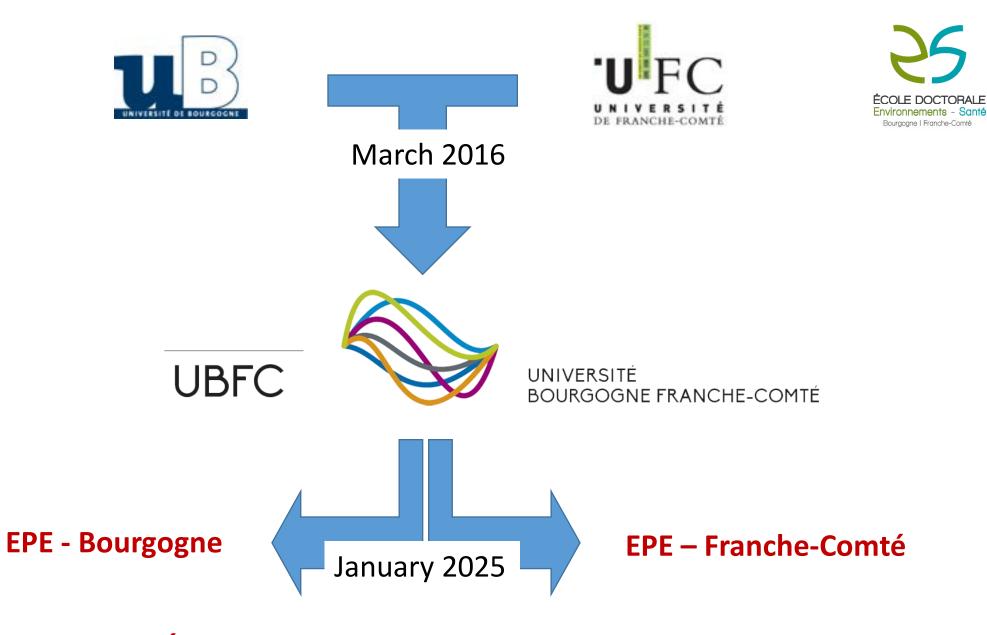
- Presentation of the Doctoral School (rules, rights, duties, etc.)
- Presentation of the Complementary training courses
- Answering questions...



Welcome to DOCTORAL SCHOOL « Environments and Health »

=

Ecole Doctorale (ED) Environnements-Santé



Établissement public expérimental (EPE)



What is a DOCTORAL SCHOOL ?



What is a doctoral school?

The structure is responsible for:

- PhD student recruitment
- PhD student registration
- PhD student follow-up
- PhD defense procedure
- The quality and high level of the diploma of PhD
- Follow-up of the future of Doctors

What are the legislative texts governing the thesis degree?

27 mai 2016

JOURNAL OFFICIEL DE LA RÉPUBLIQUE FRANÇAISE

Décrets, arrêtés, circulaires

TEXTES GÉNÉRAUX

MINISTÈRE DE L'ÉDUCATION NATIONALE, DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE

Arrêté du 25 mai 2016 fixant le cadre national de la formation et les modalités conduisant à la délivrance du diplôme national de doctorat

NOR : MENS1611139A

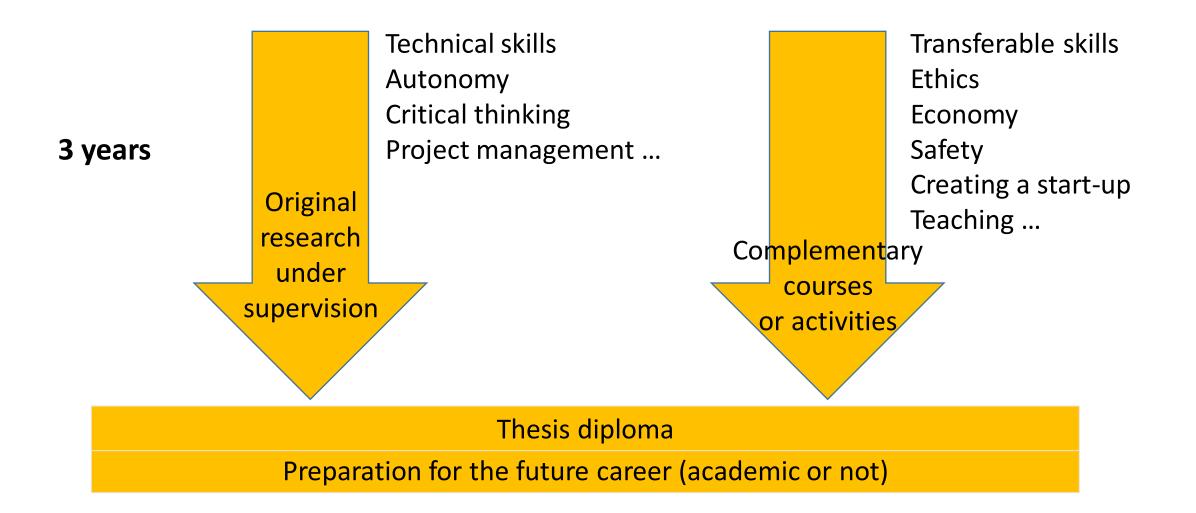
Arrêté du 26 août 2022 modifiant l'arrêté du 25 mai 2016 fixant le cadre national de la formation et les modalités conduisant à la délivrance du diplôme national de doctorat

NOR : ESRS2220637A

https://www.legifrance.gouv.fr/jorf/id/JORFTEXT000046228965

• Why go to a Doctoral school ?

Thesis = Research + Complementary courses = PhD training programs



ÉCOLE DOCTORALE Environnements - Santé • Why go to a Doctoral school ?

Thesis = Research + Complementary courses = PhD training programs





YOUR DOCTORAL SCHOOL ÉCOLE DOCTORALE Environnements - Santé Bourgogne | Franche-Comté



Head of the school: **Nadine BERNARD**, PR, (UFC) Co-Head: **David WENDEHENNE**, PR, (uB)

Two assistants « on-site » - health field :

- David MASSON, PU-PH, (uB)
- Jean-Luc PRETET , PU-PH, (uFC)

One council:

42 researchers elected from laboratories

Among them: 10 PhD candidates

+ 5 external researchers nominated by the council





- 10 PhD elected to the council :

- Rules = the representative should tend to follow the equilibria:
- ½ from Besançon / ½ from Dijon
- ½ in « Environment » / ½ in « Health »
- ½ women / ½ men (in theory)





Two secretariats:

Dijon: Christelle CAILLOT & Christelle BARBIER

Bâtiment Gabriel, UFR SVTE <u>ed.es.dijon@ubfc.fr</u>

Besançon : Martine GAUTHERON

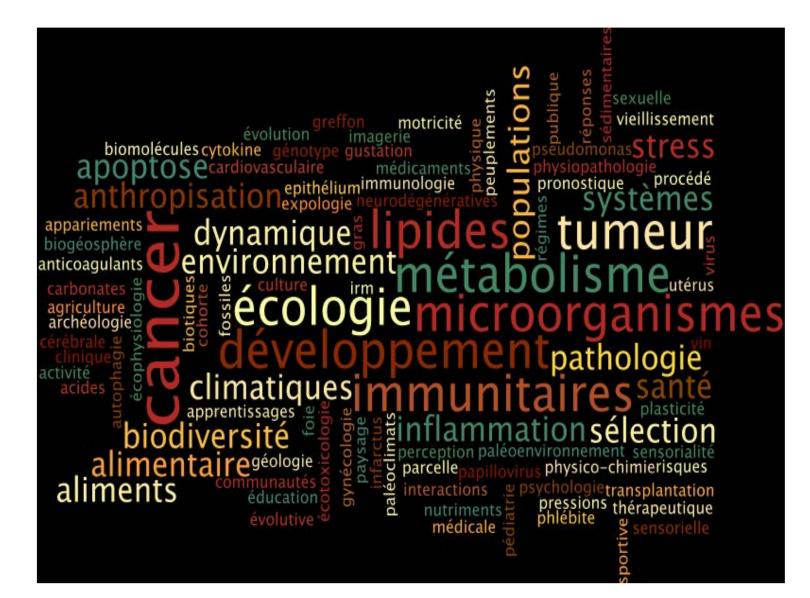
Bâtiment UBFC, rue de l'observatoire, Besançon <u>martine.gautheron@univ-fcomte.fr</u>



- Thesis = « Original research under supervision »
- **Dijon: 8 laboratories** (2 UMR CNRS, 2 UMR INSERM, 1 UMR INRAE/CNRS, 1 UMR INRAE/Agrosup, 1 UMR Agrosup, 1 EA)
- Besançon: 5 laboratories (1 UMR CNRS, 1 UMR INSERM, 2 UMR, 1 EA)

C	Researchers	716
Annual average	Of which # HDR (Habilitated)	476
Ann. 2021-2023	PhD students	403 (267 uB ; 136 uFC)
200	Defences	75 (45 uB ; 30 uFC)

Scientific background



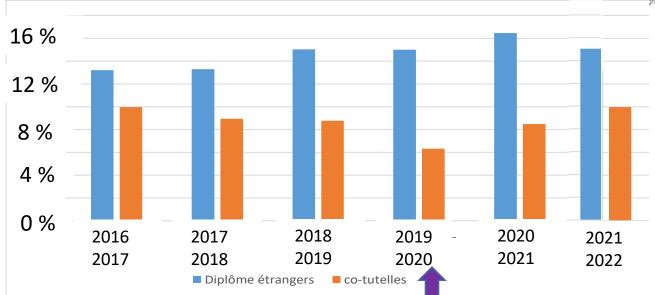
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ÉCOLE DOCTORALE Environnements - Santé Bourgogne I Franche-Comté



• The international opening up of the doctoral school

→ between 13.5% and 16.5% of registered doctoral students have a Master's degree obtained abroad (50 and 70 PhD students)



epidemic of Covid

proportion of doctoral students whose last degree before the thesis was obtained abroad

proportion of co-supervised theses (co-tutelles) The decrease in the proportion of co-supervised theses in 2019-2020 is a consequence of the health crisis with a decrease in international exchanges • Our website: https://e2s.ubfc.fr/





• Our website: https://e2s.ubfc.fr/



• Contains all info concerning what I am just saying now !!!



• « Règlement intérieur » : govern the life and functioning of the ED



https://e2s.ubfc.fr/notre-ecole/reglement-interieur/

PLEASE READ IT !!!

NOTRE ÉCOLE THÈSES FORMATIONS HDR INFOS PRATIQUES ÉVÈNEMENTS OFFRES DE THÈSES ET EMPLOIS

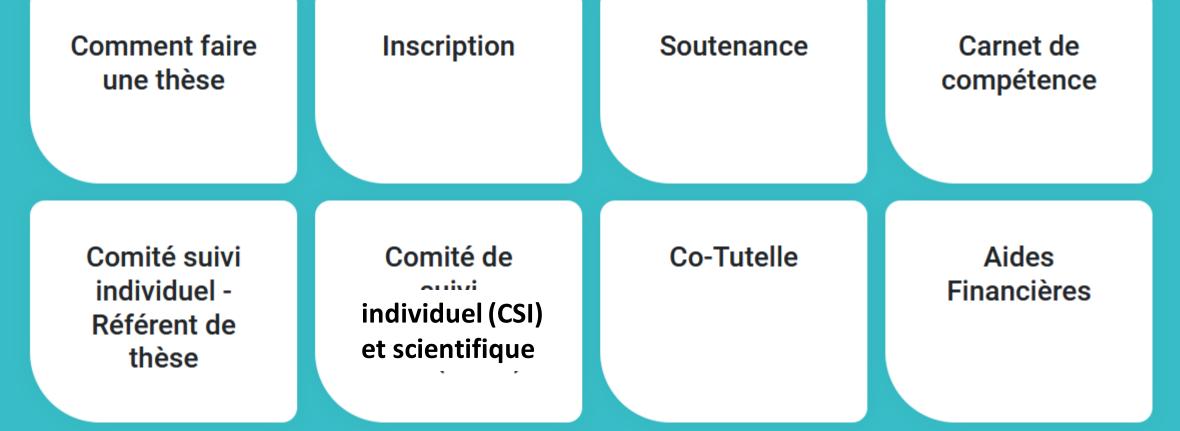
Le règlement intérieur

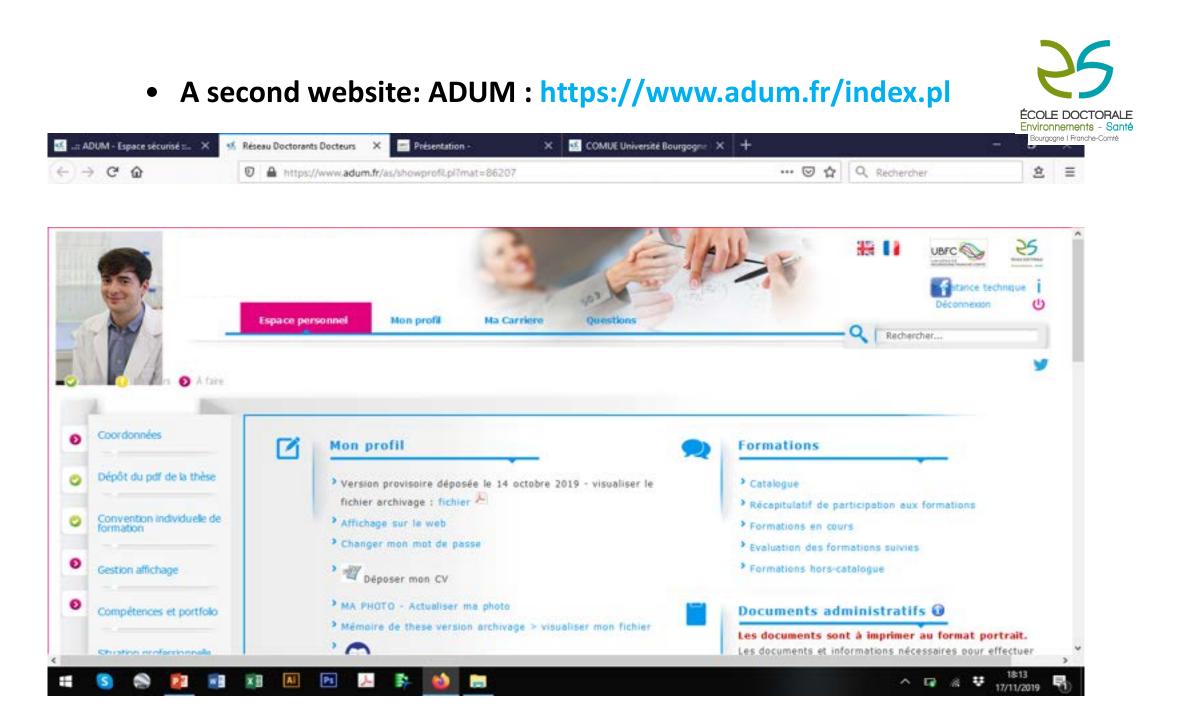
Le règlement intérieur tient lieu de règlement de fonctionnement de l'ED. Il est révisable en fonction des propositions d'améliorations opérationnelles et/ou d'évolution de la réglementation.

Il ne peut être modifié qu'après avis du conseil.













https://collegedoctoral.ubfc.fr/

- Information on Registrations (how to do it?)
- Information on the defenses (how to do it?)
- Link to ADUM and tutorials

• Your doctoral school is belonging to a "collège doctoral"

Présidence UBFC/ Vice-présidence formation en charge du suivi de la politique doctorale (Pilotage mission doctorale) Environnements - Santé Bourgogne | Franche-Comté

Collège Doctoral et direction Collège Doctoral (Coordination mission doctorale)

Assemblée du Collège Doctoral Bureau du Collège Doctoral

eprésentants des doctorants

CP

Représentants

des doctorants

ES





RULES at DOCTORAL SCHOOL Environnements-Santé

• Duties of PhD candidates at ES



- You have to work! (you are paid to do research and achieve a thesis)



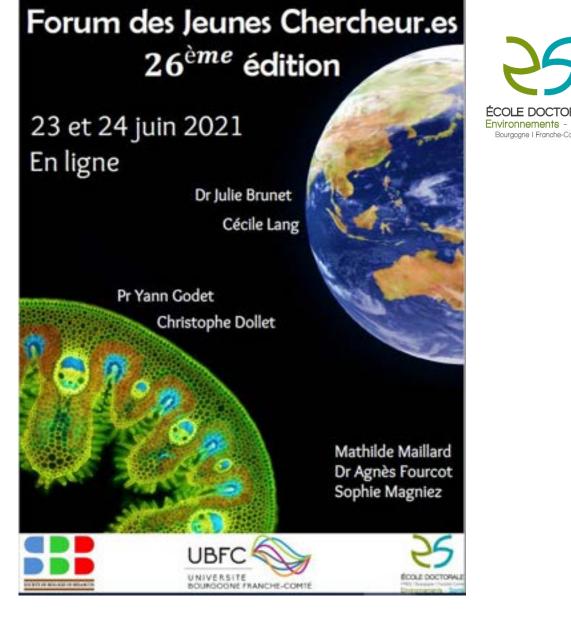
- being registered in a PhD does not mean that you'll obtain the diploma automatically !
 - Your supervisor must know all your research advances
 - You have to defend your PhD in due time (duration of your contract)
 - You are not the owner of the data you'll obtain: the data must be deposited to the laboratory after your leave

- Duties of PhD candidates at ES
 - You must attend the « Forum des Jeunes Chercheurs » (i.e. the annual meeting organized by the PhD students of the ED) ~ mid-June
 - You must attend some of the complementary training courses organized for you = individual training program

(120 hours during the 3 years;

« professional» training is obligatory), people having an ICE contract, or professionals, or co-tutelles may have a restricted program.

Teaching hours can be counted as « training courses » for half of the teaching.

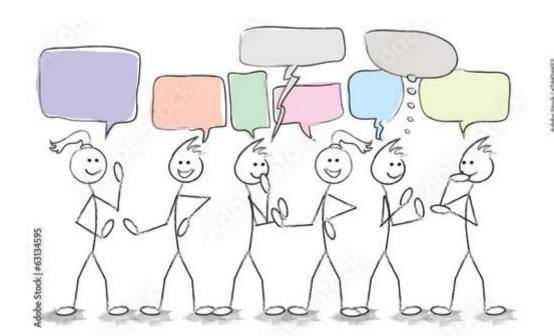


→ good attendance

• Rights of PhD candidates at ES



- You have the right for having regular interviews with your supervisor (for a follow-up of your scientific work)
- You have the right for having a private interview with a referent (for a follow-up of your working conditions)



• Rights of PhD candidates at ES

The ED provides you **2 000 €** of **« mobility-training funding »**

during your thesis, upon request,

1 500 € : to go to congresses or for a research visit in another laboratory (max: 1 000 euros per year)

+ 500 € for training courses

 \rightarrow Condition: you must have attended at least once the FJC meeting)

- For people in co-tutelle: an additional 500 € are available per thesis (to facilitate visits between the two laboratories)
- The complementary training courses available are FREE OF CHARGES (those organized by UBFC or the ED)
- You have the right for evaluating the ED (after your defense)

Present results



• Rights of PhD candidates at ES



If you have problems: who are the contact people?

- Your referent,
- The Scientific Committee (CSI)
- PhD delegates at the ED council,
- the head of the ED (board member, secretary)

Please do not wait until the last minute to talk with people...



If you have problems: some people are available ...



• Referent and CSI = individual follow-up



The French Laws of May 2016 and August 2022 impose an "individual follow-up", a program to help the PhD candidate

At ES, we have chosen the following scheme :



Meeting each year

• Referent



- The council of the ED will assign a Referent to each 1st year's PhD candidat Environments Sar (~ February)
- This person belongs to UBFC but is not in your field of science
- The referent is the person in charge of your follow-up throughout your thesis
- Exchange your email and phone numbers
- An interview "head-to-head" is mandatory with this referent at the end of the 1st year
- Themes covered: (1) regularity of the meetings with the thesis supervisor
 (2) Additional training (3) relations with the thesis supervisor(s)
 ... In a word: is everything all right with your thesis?
- Provide a report of the interview for the re-inscription in 2nd year
- Referent = person to contact first in case of difficulties. <u>Conversations may</u> <u>remain private or not</u>, depending on your request



- **CSI** : Individual and Scientific follow-up Committee
- Must include at least one researcher external to our university
- Meeting once a year (before re-registration)
- IMPORTANCE of the Scientific Thesis Supervisory Committee Individual and Scientific follow-up Committee (CSI):
 - It is important to evaluate the scientific progress of the thesis (make an annual report)
 - It is important to have an outside look at your science
 - It is important to report any difficulties

• Registration / re-registration



- 1st year:
 - You must provide proof of your salary source
 - Propose people for a Individual and Scientific follow-up Committee CSI -(at least one member EXTERNAL to the uB and the UFC)
 - A "referent" will be attributed to each of you in February (random)
- Next years:
 - Provide:
 - Report of the meeting with the referent (2nd year only)
 - Report and favorable opinion of the CSI (gathered in the year).
 (Forms available <u>https://e2s.ubfc.fr/these/comite-de-suivi-de-these/, https://e2s.ubfc.fr/csst/</u>)
 - List of complementary courses you followed (on ADUM)
 - List of skills you have acquired and/or developed

• Thesis duration

A thesis duration is around 3 years long (the duration of your contract or grant)



- Registration for a 4rth year is derogating, upon request, if the duration
 of your thesis exceeds the 31st December of the third year
- Derogations are granted « if and only if »
 - We receive a justified written request (forms are available on ADUM)
 - If your defense is in January-February: in that case, you must fill out the form proposing reviewers and jury on ADUM

OR

 If a complete 4th year is necessary: The CSI must write a report clearly explaining why an additional year is necessary and you must have a salary for this additional year...

PLEASE ANTICIPATE these requirements!

• Thesis duration



• A thesis duration can be longer without derogation in the following case:

If you are a salaried employee, and therefore if the thesis is not full-time (i.e. if you have a job in science in a private company, or you work at a hospital, and if your employer agrees you are making a thesis during your working time)

- The French law of May 2016 allows a thesis duration of 6 years
- My advice: do your best to defend before 6 years ...

• PhD defense is allowed after satisfying some requirements :

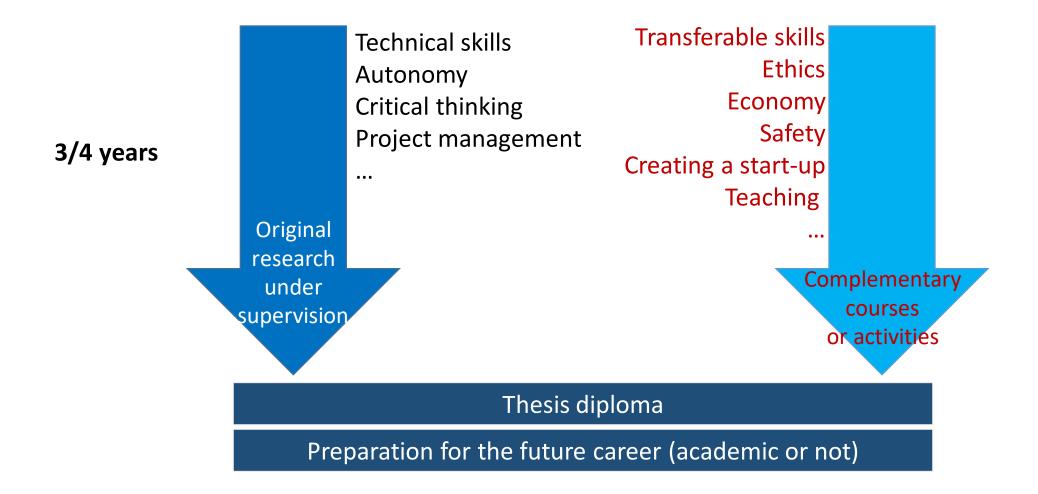


- Your manuscript must be deposited on ADUM
- Your jury and reviewers must be both validated by the ED (ADUM procedure)
- Law requirement :
 - 2 reviewers will evaluate your work and must accept that your work deserves to be defended orally
 - 1 ethics training course (9h)
- ED requirements:
 - You must have a publication in 1^{rst} author (from your thesis work), published or accepted in an international journal
 - Provide your « skill book », which must include all complementary training courses you attended during your thesis

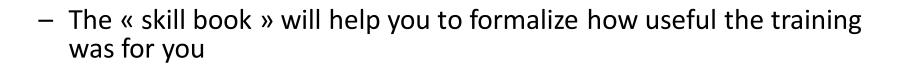
• Why create a « Skill Book » ? (Carnet de Compétences)



PhD training programs :



- Why create a « Skill Book Carnet de Compétences » ?
 - You have to follow complementary training courses



- By filling out this skill book, you'll have the opportunity to focus on ALL the skills you acquired during your PhD.
 (those acquired during complementary courses + those acquired during your PhD work in the laboratory)
- This book will be VERY USEFULL for your future career (you'll be able to answer some questions such as « what are my weaknesses? », and « what are my strengths? »; if you apply for a job, this book will help you to see if your skills are in line with the job profile, etc...)

- FORM AVAILABLE ON OUR WEBSITE



• Skill book

Skills	How did I acquired these skills? (During my research / Complementary training)	
Computer/informatics (high level)	Ex : Formation par la recherche ; programmation sous R, création du package XXX	ECOLE DOC Environnemen Bourgogne I Fran
Language	Ex : Formation complémentaire ; suivi de la formation complémentaire « Anglais spécifique »	
	Ex : Formation par la recherche ; présentation de 2 communications affichées dans les congrès internationaux XXX et YYY	
	Ex : Formation par la recherche ; rédaction de 3 articles scientifiques en Anglais	
Project management		
Montage de projet		
Etude de faisabilité		
Recherche de financements	Ex : Formation par la recherche ; Obtention d'un financement de recherche	
Planification/gestion des délais	après dépôt d'un dossier à l'Association pour la Recherche sur le Cancer	
Gestion du personnel		
Gestion de ressources	Ex : Formation complémentaire : suivi des formations « Fondamentaux du	
Reporting	Management » et « Leadership et encadrement d'équipe »	
/		
Information management		
Identification et utilisation de	Ex : Formation par la recherche ; création de la base de données XXX au cours	
ressources appropriées	de ma thèse	
Capacité de synthèse	Ex : Formation par la recherche ; rédaction d'un article de synthèse pendant	
Regard critique sur	ma thèse	
l'information obtenue	Ex : Formation complémentaire : Suivi de la formation « Media training »	
/		



COMPLEMENTARY TRAINING COURSES

• Complementary courses proposed by UBFC

courses FREE of charges

a PhD student enrolled in a training course undertakes to follow it in its entirety (un doctorant inscrit dans une formation s'engage à le suivre dans son intégralité)

- SEE MORNING PRESENTATIONS AND GO TO :
- <u>https://collegedoctoral.ubfc.fr/formations-2/doctorants/</u>
- <u>https://www.adum.fr/</u>



UBFC

Formations proposées 2022-2023

Formations Transversales

Connaissances et outils d'enseignement

Communication

Culture scientifique internationale et valorisation

Éthique de la recherche et intégrité scientifique

Formations documentaires

Informatique et modélisation scientifique

Langues

Management et entrepreneuriat

Poursuite de carrière

Science ouverte



- Complementary courses proposed by UBFC,
- \rightarrow including courses on « preparing your future career »

UBFC

Culture scientifique internationale et valorisation

Éthique de la recherche et intégrité scientifique

Informatique et modélisation scientifique

Formations proposées 2022-2023

Connaissances et outils d'enseignement

Formations Transversales

Formations documentaires

Management et entrepreneuriat

Poursuite de carrière

Science ouverte

Communication

Langues

It is NECESSARY and MANDATORY to follow courses on "preparing your future career" in relation to your professional project.

It is <u>OBLIGATORY</u> to follow some courses about courses in Ethics and scientific integrity

- <u>http://fr.collegedoctoral.univ-bfc.fr/</u>
- <u>https://www.adum.fr/</u>

MOOCs in English are available upon request

compulsory <u>for all types of thesis</u> (including CIFRE, salaried, hospital, etc.)

Article 3, de l'arrêté du 26 août 2022

modifiant l'arrêté du 25 mai 2016 fixant le cadre national de la formation et les modalités conduisant à la délivrance du diplôme national de doctorat, indique que : « Sous la responsabilité des établissements accrédités, les écoles doctorales : [...] alinéa 4. ... veillent à ce que chaque doctorant reçoive une formation à l'éthique de la recherche et à l'intégrité scientifique »

UBFC

Ethique de la recherche et intégrité scientifique

18*	Conférence 'Quand sciences et techniques entrent dans le débat public par le biais de la littérature'	BELFORT O SEVENANS
10*	Conférence : 'Relations sciences-société'	Besançon
10*	Conférence : 'Relations sciences-société'	Dijon
18*	Conférence : 'Synergie entre éthique et recherche - Consentement à la recherche'	DIJON
10*	Conférence : Intégrité scientifique et déontologie	DIJON
10*	Conférence : Intégrité scientifique et déontologie	Besançon
10*	Cybersécurité : menaces et bonnes pratiques	DIJON
18*	MOOC 'Intégrité scientifique dans les métiers de la recherche'	en ligne
18*	MOOC Éthique de la recherche	en ligne
10*	Propriété intellectuelle dans le domaine scientifique	Dijon
18**	Sensibilisation au droit d'auteur et prévention du plagiat	Diion



• Complementary courses proposed by the ED Environnements-Santé



- GO TO :
- <u>https://e2s.ubfc.fr/formations/formations-specifiques-es/</u>

– and

- <u>http://www.adum.fr/as/ed/UBFC/formations.pl?ed=83</u>

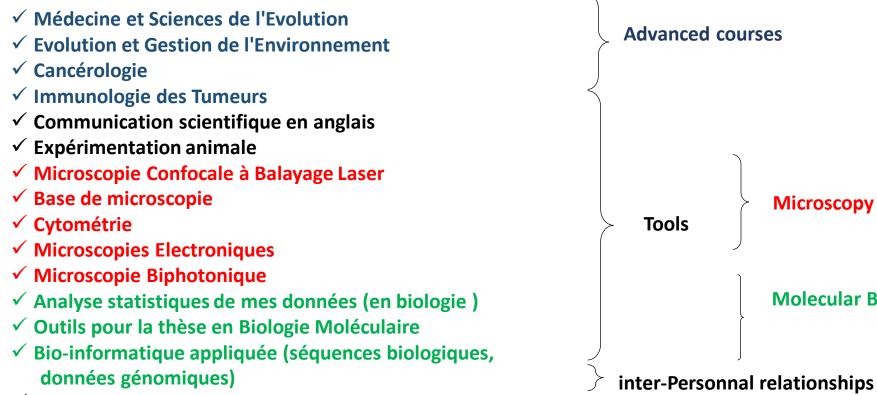
Formations 2022-2023 Ecole Doctorale Environnements Santé Formations spécifiques aux Ecoles Doctorales Formations CP Formations DGEP Formations ES Formations LECLA Formations SEPT Formations SPIM

Complementary courses proposed by E-S:

15 courses FREE of charges ; can be in English upon request ; will be in visioconference if necessary

Microscopy

Molecular Biology



✓ Anticiper et gérer le stress

 \rightarrow Fresque du Climat

If you find some courses (or MOOCS) in another university, we can validate these courses, upon request



Do not hesitate to choose :

- national training courses that are not available here (uB or UFC) and are in line with your professional project.

- no technical courses to become a manager

For instance:

- Professional communication and working relations
- Cybersecurity : Threats and best practices
- Digital data protection
- Business planning for innovation
- Marketing and innovation : from research to market
- ...



- YOU MUST REGISTER FOR ANY COMPLEMENTARY COURSE
- It is now open... ADUM is your best friend!
- Once registered, you MUST attend !!! Free training for you, but expensive for doctoral schools and college

Competencies of a PhD

• PhD is defined in the French Labor Code (code du travail).



- Decree no. 2019-14 of January 8, 2019 relating to the national framework of professional certifications (relatif au cadre national des certifications professionnelles), article 1, paragraph 3.
- A PhD corresponds to level 8 skills, Level 8 is the Higher level

Diploma Nomenclature				
	Titre du diplôme	Level		
Bac	Baccalauréat	4		
Bac + 2	BTS, DUT, DEUST	5		
	(technician diploma)			
Bac + 3	Licence	6		
Bac + 5	Master, engineer diploma	7		
Bac + 8	Doctorate	8		

To summarize the Competencies :

- A. identify and solve complex problems
- B. solve new problems involving multiple domains
- C. solve problems by mobilizing state-ofthe-art knowledge and know-how (savoir-faire de pointe)
- D. design and manage research and innovation projects and processes



ANY QUESTIONS ?

<u>nadine.bernard@univ-fcomte.fr</u> (site Besançon) <u>david.wendehenne@inrae.fr</u> (site Dijon)





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