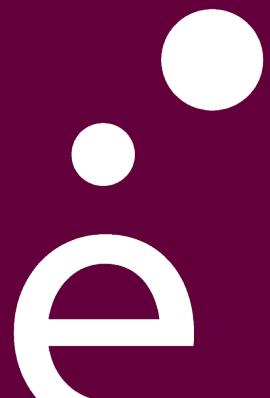


# STIC DS

## Doctoral training

Hanna Klaudel





## The text of the law

The Order of May 25th 2016 (Article 3):

The doctoral schools :

2° ...offer PhD students training activities **promoting interdisciplinarity** and the acquisition of a **broader scientific culture**...

3° Ensure that each PhD student receives training in the **ethics of research and scientific integrity**;

7° Contribute to a European and **international opening**...



## Requirements of STIC DS in terms of training

TOTAL = **100 hours in 3 years**, divided into:

- **50 hours of scientific training**
  - aims at increasing your knowledge in the discipline
- **50 hours of professional training**
  - dedicated to prepare to professional development
  - includes a **mandatory course on Ethics**



## General rules and exceptions

**General rules** ([see STIC DS web page](#) for a complete description):

- **diversification** of professional education
  - for a given competence : not more than 25 hours
  - for ex. for all language lectures at most 25 hours
- **period**
  - in priority during 2 first years of the PhD

**Adjusting** is possible but not systematic:

- PhD in a company (typically under a CIFRE contract): partial dispensation possible for professional training
- Co-tutelle: proportional to the duration of the stay in France.

Contact : the Director of your « Pôle »

## Examples of **scientific** education



- **2<sup>nd</sup> year Master lectures:**
  - the content related to the thesis or scientific open-mindedness
  - “advanced” level
  - priority for Masters of Paris-Saclay
- **Thematic summer schools**
  - discuss the choice with your supervisor
- **Scientific thematic tutorials** of advanced level
- **Advanced online lectures with certification**

## Examples of scientific education



### Examples of Paris-Saclay Masters recommended for Pole A:

Site	Master
Orsay/Gif	<b>ATSI</b> Automatique et Traitement du Signal et des Images / Automatic Control, Signal and Image Processing <b>MVA</b> Mathématiques, Vision, Apprentissage <b>NM</b> Multimedia Networking <b>ROSP</b> Réseaux Optiques et Systèmes Photoniques / Optical networks and Photonics Systems <b>SAR</b> Systèmes Avancés de Radiocommunications / Advanced Wireless Communications Systems <b>SETI</b> Systèmes Embarqués et Traitement de l'Information
Evry	<b>SAM</b> Systèmes Automatiques Mobiles <b>SAAS</b> Smart Aerospace & Autonomous Systems

## Examples of scientific education



### Examples of Paris-Saclay Masters recommended for Pole B:

Site	Master
Orsay/Gif	<b>AIC</b> Apprentissage, Information et Contenu / Machine Learning, Information and Content <b>D&amp;K</b> Data & Knowledge (in English) <b>Data Science</b> (in English, at EIT Digital) <b>Datascale</b> Gestion de données dans un monde numérique / Data Management in a Digital World <b>HCI</b> Human Computer Interaction and Design (in English, at EIT Digital) <b>ISD</b> Informatique pour la Science des données
Evry	<b>CILS</b> Conception et Intelligence des Logiciels et Systèmes
Versailles	<b>SeCReTES</b> Sécurité des Contenus, des Réseaux, des Télécommunications et des Systèmes <b>Datascale</b> Gestion de données dans un monde numérique / Data Management in a Digital World <b>RAM</b> Robotique, assistance et mobilité

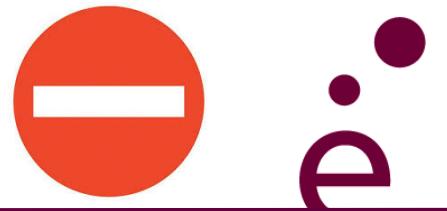
## Examples of scientific education



### Examples of Paris-Saclay Masters recommended for Pole C:

Site	Master
Orsay/Gif	<b>FIIL</b> Fondements de l'informatique et ingénierie du logiciel <b>AFP</b> Algorithmique et Fondements de la Programmation
Evry	<b>CILS</b> Conception et Intelligence des Logiciels et Systèmes
Versailles	<b>SeCReTES</b> Sécurité des Contenus, des Réseaux, des Télécommunications et des Systèmes <b>AMIS</b> Algorithmique et Modélisation à l'interface des Sciences

## Counter-examples



- Bachelor (Licence, L3) level courses,
- Seminars or working groups proper to your group or your laboratory
- Conferences and workshops attendance, even as a speaker
- Online courses (Coursera etc.) or MOOCs without certification

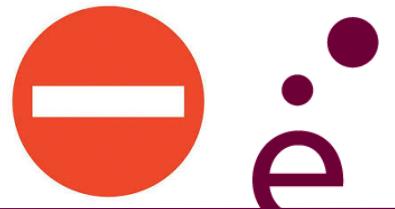
## Exemples of **professional** training



### Catalogue of Adum :

- Various modules proposed in the « Catalogue Adum »
- Languages (including TEOIC preparation, French courses)
- « Doctoriales » (in French)
- Specific lectures of STIC DS
  - Ethics -> **mandatory**
- Visits in foreign labs or internships in companies (7 hours per month)
  - **Call For Proposals** (AAP, several times per year)
- Office automation tools, advanced level required

## Conter-examples



- Organization of seminars, working groups, doctoral days, laboratory days or other events of the kind
- Managing the team website or conference website, resource or publications management
- Attendance, even as an animator, to events like « La fête de la science », « Bouge la science », « Salon des jeux mathématiques », « La nuit de l'info », « L'arbre du savoir »...
- Reviewing scientific papers
- Course / Training without meaningful impact (eg. basic training in office tools, MS-Word, MS -Excel, etc.).

## Funding from STIC DS



- partial funding provided for summer schools
  - through a **call** for applications (several AAPs)
- **no funding for education from STIC DS:**
  - check carefully if your chosen course is **free-of-charge** or make sure that your team or laboratory covers the fees
  - Exception: French courses for foreigners (AAP)



## Contacts

- about the choice of your training:
  - Your Supervisor
- about particular cases, exemptions etc.:
  - Director of your Pole
- about general questions about training:
  - your Pole assistant, who often knows the answer, otherwise she sends your question to the Director of the Pole or to me

see [DS STIC web page](#)

-> Déroulement du doctorat -> Formation-> Contact

# Interface ADUM



The screenshot shows the ADUM interface with a navigation bar at the top. The bar includes tabs for "Espace personnel" (selected), "Mon profil", and "Questions". A search bar with a magnifying glass icon and placeholder text "Rechercher..." is also present. Below the bar, a horizontal progress bar indicates the user is currently in the "Mon profil" step, which is the second step in a five-step process: "Qui êtes-vous?", "Vos diplômes", "Votre thèse", "Personnalisation", and "Confirmation".

**Mon profil**

- › Affichage sur le web
- › Changer mon mot de passe
- › Mon CV
- › Ma photo (jpg)

**Formations**

- › Catalogue
- › Récapitulatif de participation aux formations
- › Formations en cours
- › Ajouter une formation "hors catalogue"

# Interface ADUM



The screenshot shows a web interface for 'Espace personnel'. At the top, there are tabs for 'Espace personnel' (highlighted in pink), 'Mon profil', and 'Personnalisation'. Below these are navigation steps: 'Qui êtes-vous ?' → 'Vos données' → 'Personnalisation' → 'Confirmation'. On the right, there is a search bar with a magnifying glass icon and the placeholder 'Rechercher...'. The main content area has two sections: 'Mon profil' (with a pencil icon) and 'Formations'. The 'Mon profil' section contains links: 'Affichage sur le web', 'Changer mon mot de passe', 'Mon CV', and 'Ma photo (jpg)'. The 'Formations' section contains links: 'Catalogue' (circled in red), 'Récapitulatif de participation aux formations', 'Formations en cours', and 'Ajouter une formation "hors catalogue"'. A large green arrow points from the 'Mon profil' section towards the 'Formations' section, with the text 'Access to the Catalogue' written along its path.

# Interface ADUM



Catalogue

Dernières formations mises en ligne

Formations en cours

Ajouter une formation 'hors catalogue'

Ma situation

## Dans votre Ecole Doctorale

Conception et conduite de projets, management

	Ville	Responsable	Proposé par	Date de début	Etat
- Management stratégique	Paris	Marianna Baziz	STIC	18 fevrier 2016	Projet

Communication

	Ville	Responsable	Proposé par	Date de début	Etat
- Rédaction collaborative de pages Wikipedia (Session 1)	Orsay	CHEBBAH Vanessa TROUSSIER Carole /	STIC	21 janvier 2016	Ouvert
- Rédaction collaborative de pages Wikipedia (Session 2)	Orsay	CHEBBAH Vanessa TROUSSIER Carole /	STIC	04 fevrier 2016	Projet
- Pitcher la science, pitcher sa thèse : tout un art	Paris	Marianna Baziz	STIC	11 fevrier 2016	Projet

Formations : compétences linguistiques doctorales

	Ville	Responsable	Proposé par	Date de début	Etat
- Scientific Presentation Course (Cours de Présentation scientifique)	Paris	Marianna BAZIZ	STIC	23 novembre 2015	Projet

Méthodes et outils de haut niveau technique (fortement spécialisés)

16 Formation à l'ED STIC

Proposé par université PARIS-SACLAY Sciences et technologies de l'information et de la communication (STIC)

# Interface ADUM



To ask for the validation of a course which is not present in the Adum Catalogue

Espace personnel    Mon profil    Questions    Décon...

Qui êtes-vous ?    Vos diplômes    Personnalisation    Confirmation

Rechercher...

Mon profil

- Affichage sur
- Changer mon mot de passe
- Mon CV
- Ma photo (jpg)

Formations

- Catalogue
- Récapitulatif de participation aux formations
- Formations en cours
- Ajouter une formation "hors catalogue"

17    Formation à l'ED STIC

université PARIS-SACLAY

ÉCOLE DOCTORALE  
Sciences et technologies  
de l'information  
et de la communication (STIC)

