The professional profile of PhD-holders

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Core business

PHASE 1 **Skill development**

During my PhD, I developed this skill by setting clear and realistic research objectives, improving my expertise in numerical simulation and polymer mechanics. I also strengthened my scientific writing, presentation, and data analysis skills through reports, publications, and conferences, while becoming more aware of the international dimension of research.

PHASE 1 **Evaluation**

During my PhD, I regularly evaluated scientific literature and compared different numerical approaches to select appropriate methods for my research. I assessed the quality of my own results through discussions with my supervisors, CSI meetings, and peer review. Feedback from presentations and publications helped me improve my work and develop critical evaluation skills.

PHASE 1 **Information management**

I developed this skill by collecting, organizing, and managing scientific literature, experimental data, and numerical simulation results. I learned to use reference management tools and maintained well-structured datasets and documentation to ensure efficient access and reproducibility.

PHASE 1 **Expertise and methods**

I developed my professional skills by setting clear research objectives, improving my scientific writing and presentation abilities, and receiving regular feedback from my supervisors and committee members. Conferences and publications also broadened my professional perspective.

Personal and relational qualities

PHASE 1 **Communication**

I improved my communication skills by presenting my research during group meetings, CSI meetings and scientific discussions. I learned to explain complex simulation results more clearly and to adapt my explanations to different audiences.

PHASE 1 **Collaboration**

I developed this skill through regular exchanges with my supervisors and colleagues. Their feedback helped me improve my modelling strategy, interpret results more carefully and better organize my research work.

PHASE 1 **Analysis, synthesis and critical thinking**

I developed this skill by analyzing simulation results, comparing them with experimental data and scientific literature, and identifying the main mechanisms behind the observed behaviour. This

helped me draw clearer conclusions from complex data.

Business management and value creation

PHASE 1 **Project management**

PHASE 3 **Managing change**

PHASE 2 **Decision-making**

Strategy and Leadership

PHASE 1 **Strategy**

PHASE 3 **Leadership**