THE AI AND DIGITAL TRANSFORMATION **COMPETENCY FRAMEWORK**

01. DIGITAL PLANNING AND DESIGN

COMPETENCY AREAS AND SKILLS

PROBLEM IDENTIFICATION AND SOLUTIONS Identify problems in which digital technology might be part of the solution.

SYSTEMS THINKING Understand how problems are connected in systems.

STRATEGIC FORESIGHT Anticipate problems and unexpected circumstances.

AGILE STRATEGY

Ability to plan initiatives while remaining flexible and adapting to unexpected circumstances.

BASIC	INTERMEDIATE	ADVANCED	AI-SPECIFIC	F
Understand the complexi- ty and interconnectedness of problems.	term view, and use simple tools to anticipate, identify and solve problems.	Master approaches, tools and methods to anticipate, identify and solve complex problems.	technological devel- opments of Al.	CREATIN
	Take a holistic and long-		Identify and specify problems where AI is important, and anticipate future	

COMPETENCY AREAS AND SKILLS

DIGITAL LITERACY DATA-DRIVEN **DECISION-MAKING** Understand emerging digital Mine, analyze and technology and its use data in the deciapplications. sionmaking process of public policies.

GOVERNMENT open data.

OPEN DATA AND OPEN Capacity to effectively create and use they affect government and society.

PRIVACY AND SECURITY LEGAL, REGULATORY AND Knowledge of potential breaches and how can

ETHICAL FRAMEWORKS Capacity to adapt and change existing legislation to emerging basic level. technologies. If needed, to

create tech-friendly legislation.

AI FUNDAMENTALS Understand Al systems to a

. PROFICIENCY Understand Al Create and edit digital content, systems and master Integrate digital tools into exploit, analyze and share data, knowledge about the Understand and use simple government systems, and and develop legal frameworks latest Al technologies. digital tools, and understand understand the concrete and systems that take into the implications of using data. implications of using data. account privacy and security. BASIC INTERMEDIATE ADVANCED **AI-SPECIFIC**

03. DIGITAL MANAGEMENT AND EXECUTION

COMPETENCY AREAS AND SKILLS

PEOPLE-CENTRICITY

PROFICIENCY

Ability to take into high consideration the user experience and needs on digital public policies and technologies.

ITERATION

Learn and accept mistakes as part of the digital project cycle.

AGILE EXECUTION

Capacity to formulate technical, logistic and strategic requirements for public digital projects and execute them.

DIGITAL LEADERSHIP

.

Ability to develop a vision for digital.

Master, design and use specific agile management techniques, forge solid partnerships, and develop prototypes.





Understand agile management techniques and collaboration.

Make use of simple agile

management techniques in

designing and developing

projects.



Understand how to incite.

organize and manage the dig-

AI-SPECIFIC









ATTITUDES

TRUST

ADAPTABILITY





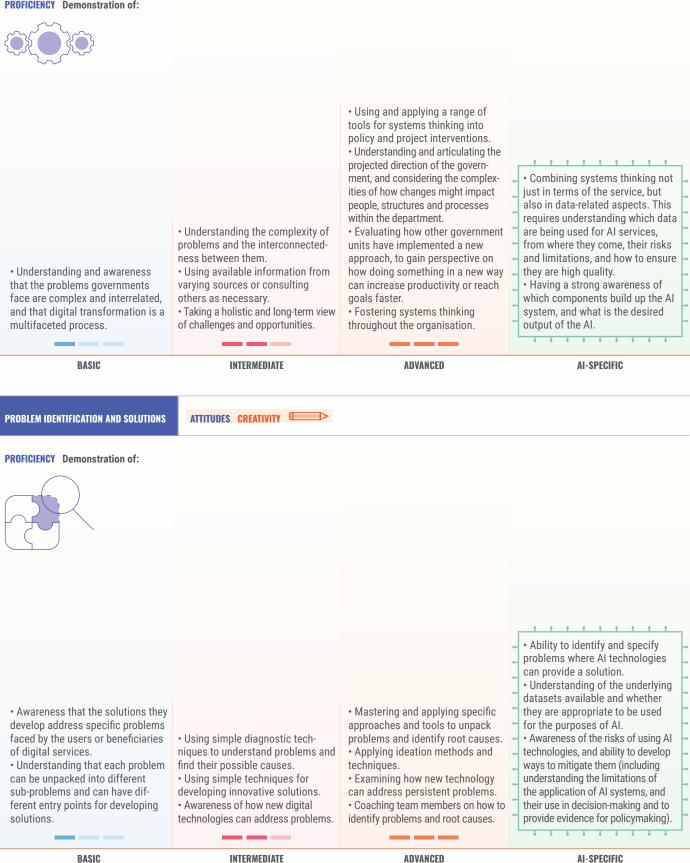


01. DIGITAL PLANNING AND DESIGN

SYSTEMS THINKING

ATTITUDES ADAPTABILITY (

PROFICIENCY Demonstration of:



01. DIGITAL PLANNING AND DESIGN

STRATEGIC FORESIGHT

ATTITUDES TRUST

PROFICIENCY Demonstration of:



02. DATA USE AND GOVERNANCE

DIGITAL LITERACY

ATTITUDES TRUST 💓 CURIOSITY 225



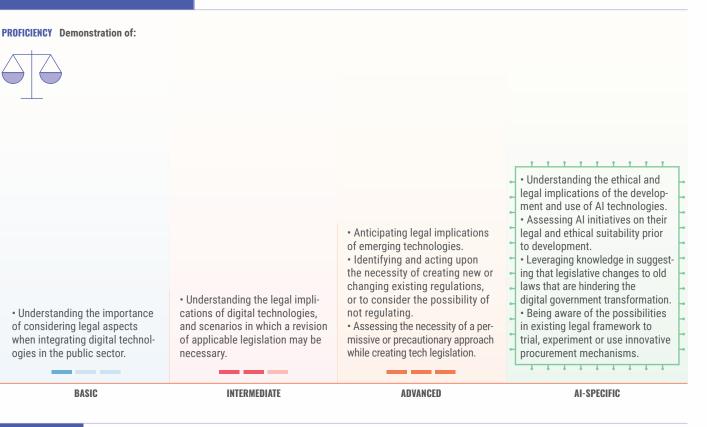
02. DATA USE AND GOVERNANCE

OPEN DATA AND OPEN GOVERNMENT



02. DATA USE AND GOVERNANCE

LEGAL, REGULATORY AND ETHICAL FRAMEWORKS



AI FUNDAMENTALS

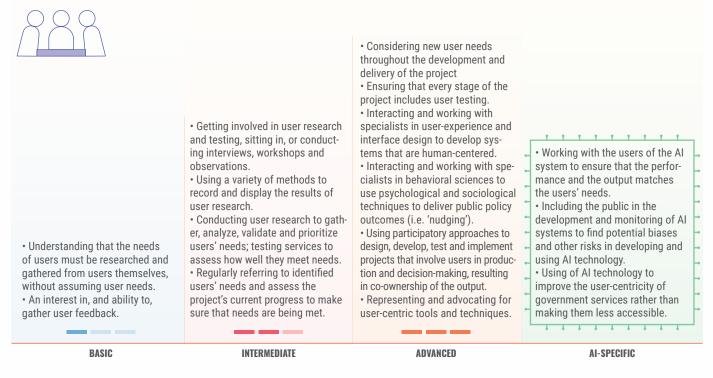
PROFICIENCY Demonstration of: · Having a more advanced · Mastering knowledge about the knowledge of what AI is, how to latest AI technologies to develop, potentially apply this technology interpret, evaluate, maintain, and in their own working environment. · Interpreting, evaluating and implement AI systems. understanding the decisions · Working and integrating AI technol- Discussing the implications of this technology in a meanogies to their best possible extent. made during the development of • Understanding what AI is ingful way. Al technologies. · Adopting additional activities and how it differs from other · Contextualizing AI to initiate · Reviewing, managing and to ensure Al risks are mininew projects leveraging Al tools. mized, such as calculating for technologies. understanding the design con-· Having a basic awareness of · Awareness of the potential siderations of the AI system. algorithmic bias, introducing AI the opportunities of this technolenvironmental damage caused · Recruiting and assigning the right transparency mechanisms and ogy for the organisation. people and skillsets to AI projects. by AI technologies. accountability. **INTERMEDIATE ADVANCED AI-SPECIFIC**

BASIC

03. DIGITAL MANAGEMENT AND EXECUTION

PEOPLE-CENTRICITY

PROFICIENCY Demonstration of:



ITERATION

PROFICIENCY Demonstration of:



· Understanding the importance of iteration and rapid feedback loops - allowing new ideas to be tested on a small scale before reaching a wider level of implementation and the importance of incremental development approaches, where each stage of a project builds on the preceding one.

• Understanding how prototypes can be used to bring abstract ideas to life, and provide a tangible example of how something might work in practice.

· Understanding how tests and experiments can examine what works and what does not.

· Developing simple prototypes that help the visualization of products and services and in the identification of potential difficulties. · Making use of simple agile techniques such as time-boxes, retrospectives, and product backlogs

to manage workload. · Ensuring that projects include sufficient time and resources for testing and evaluation across dif-

ferent stages of the project cycle. · Using approaches such as

sandboxes, prototyping or piloting to create small-scale experiments of new ideas.

· Using formal iterative methodologies to deliver a digital project. · Developing prototypes that can be implemented with users to

test feasibility.

 Using randomized tests to evaluate approaches, such as A/B testing or randomized control trials to gain evidence about what works. · Using iterative project management methodologies to allow small-scale testing of several different approaches.

· Using experimental evaluation methods to assess which approaches to take forward.

· Regularly testing the performance of the AI system across time, especially post-adoption. Developing proofs-of-concept and pilots to have a clearer understanding of the potential benefits of AI systems. Acknowledge mistakes coming from the AI system throughout the project cycle and learn from them. .

BASIC

INTERMEDIATE

ADVANCED

1 1

03. DIGITAL MANAGEMENT AND EXECUTION

AGILE EXECUTION

PROFICIENCY Demonstration of:

