



Artificial Intelligence Risk Management Framework (AI RMF 1.0)

WHAT IS THE AI RMF?

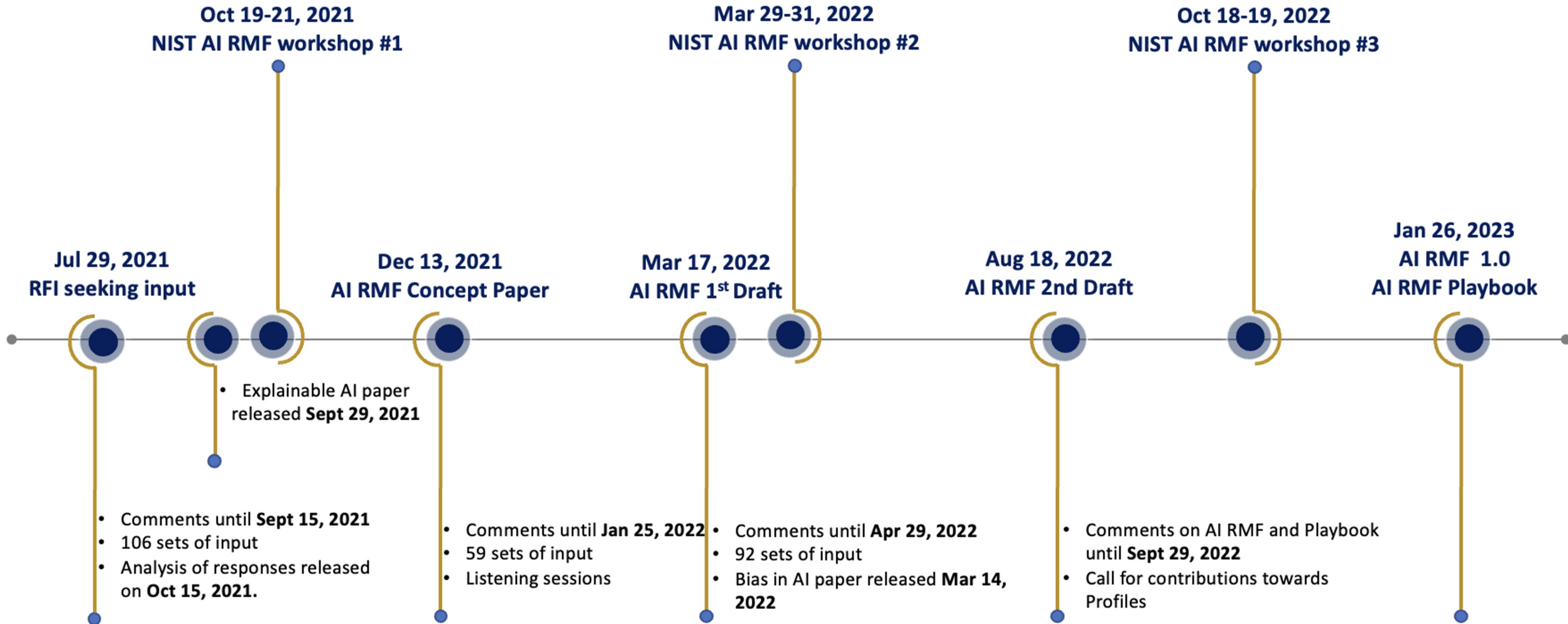
Voluntary resource for organizations designing, developing, deploying, or using AI systems to manage AI risks and promote trustworthy and responsible AI

Rights-preserving

Flexibly applied

Measurable

THE PATH TO AI RMF 1.0



- **AI systems:** engineered or machine-based system that **generates outputs such as predictions, recommendations, or decisions** influencing real or virtual environments and operating with varying levels of autonomy.
- **Risk:** composite measure of an event's probability of occurring and the magnitude or degree of the consequences of the corresponding event. The impacts, or consequences, of AI systems can be **positive, negative, or both and can result in opportunities or threats.**

AI RISKS AND TRUSTWORTHINESS

Safe

Secure &
Resilient

Explainable &
Interpretable

Privacy-
Enhanced

Fair - With Harmful
Bias Managed

Valid & Reliable

Accountable
&
Transparent

AI RISK MANAGEMENT CHALLENGES



Risk

measurement



Risk

tolerance



Risk

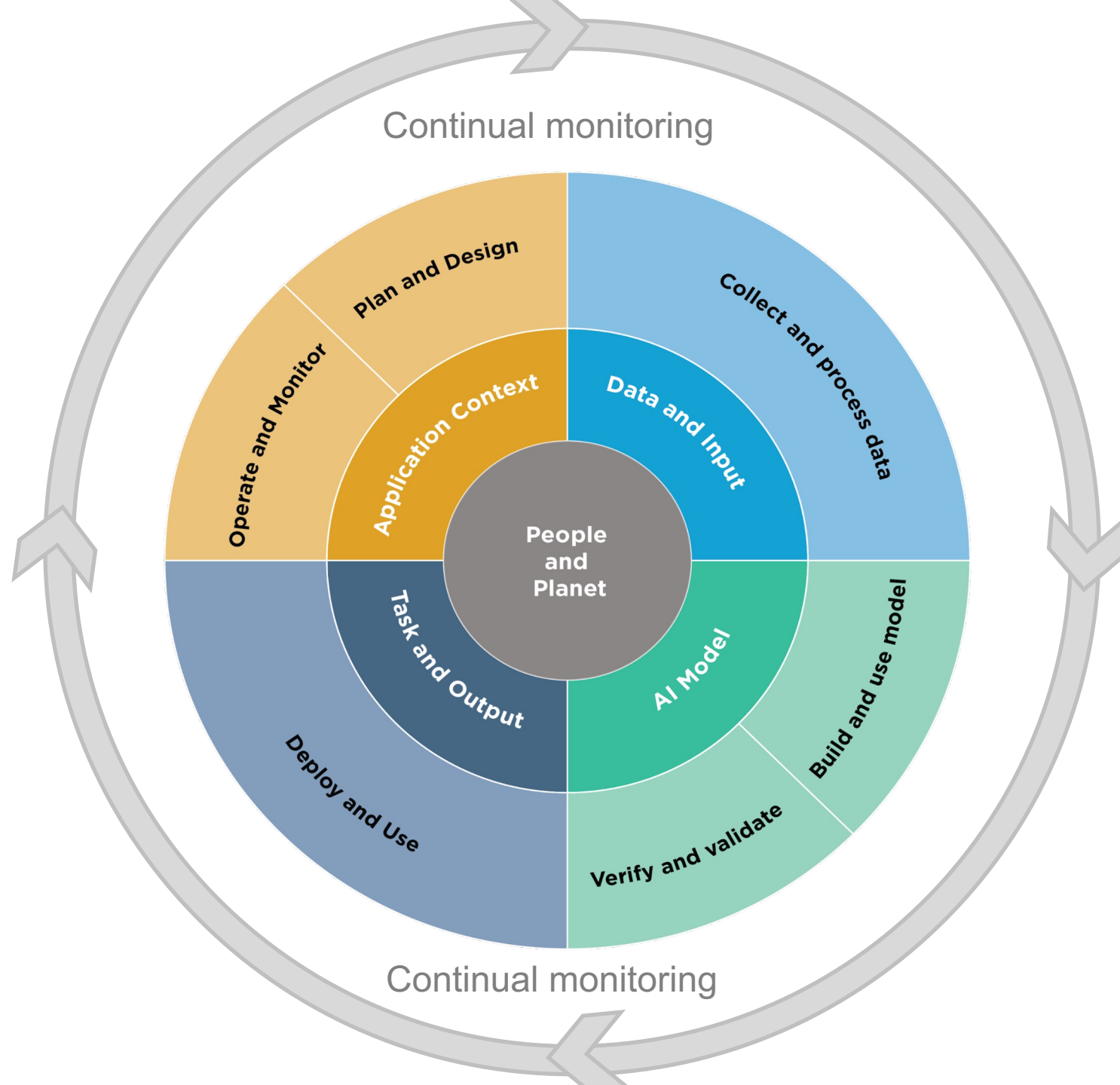
prioritization



Risk

**integration &
management**

AUDIENCE: AI LIFECYCLE AND AI ACTORS





NIST AI RMF Playbook

The Playbook provides suggested actions for achieving the outcomes laid out in the [AI Risk Management Framework \(AI RMF\) Core \(Tables 1 – 4 in AI RMF 1.0\)](#). Suggestions are aligned to each sub-category within the four AI RMF functions (Govern, Map, Measure, Manage).

The Playbook is neither a checklist nor set of steps to be followed in its entirety.

Playbook suggestions are voluntary. Organizations may utilize this information by borrowing as many – or as few – suggestions as apply to their industry use case or interests.



Download the NIST AI RMF Playbook

A horizontal row of four blue rectangular buttons with rounded corners. From left to right, they are labeled 'Playbook PDF', 'Playbook CSV', 'Playbook Excel', and 'Playbook JSON' in white text.

AI RMF PROFILES

Implementations of the AI RMF functions, categories, and subcategories for a specific setting or application based on the requirements, risk tolerance, and resources of the Framework user.



Use-case profiles; e.g., hiring or fair housing

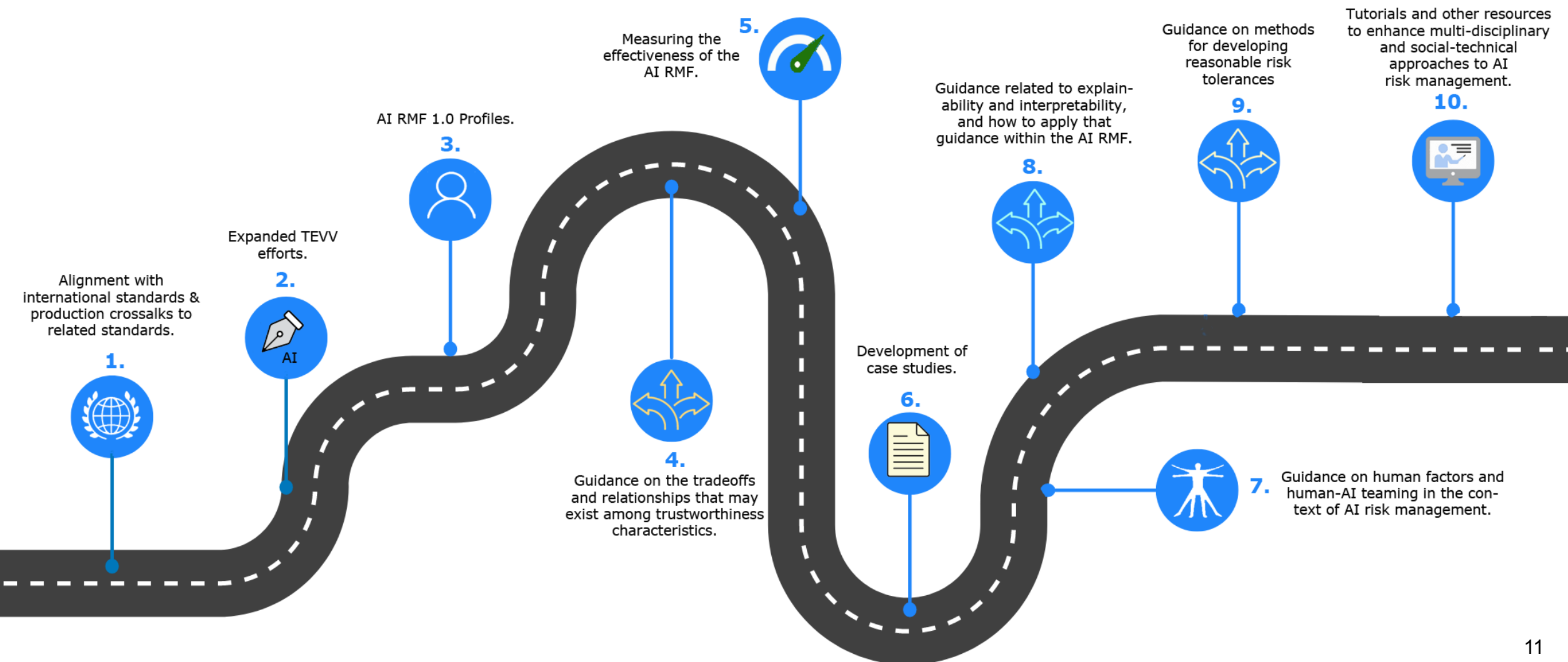


Temporal profiles; e.g., current state vs. the target state



Cross-sectoral profiles; e.g., large language models, cloud-based services or acquisition

WHAT'S NEXT?



NIST TRUSTWORTHY AND RESPONSIBLE AI RESOURCE CENTER



<https://airc.nist.gov/>



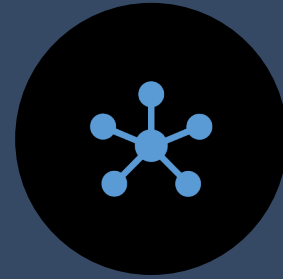
**AI RMF
PLAYBOOK**



**AI RMF
PROFILES**



**AI RISK
GLOSSARY**



**AI STANDARDS
TRACKER**



**AI METRICS
HUB**



...AND MORE

FOR MORE INFORMATION...

NIST



www.nist.gov/itl/ai-risk-management-framework

<https://airc.nist.gov/>



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