ASFPM AI Subcommittee Work Plan 2024-2025

1.0 Overview

Artificial Intelligence (AI) is rapidly transforming our world. Surges in AI capabilities have led to a wide range of innovations. While new AI-enabled systems are benefiting many parts of society and economy from commerce and healthcare to transportation and cybersecurity, new AI-based technologies, products, and services bring technical and societal challenges and risks. On October 30, 2023, President Biden issued Executive Order (EO) 14110 on Safe, Secure, and Trustworthy Artificial Intelligence, the goal of which is to ensure that America leads the way in seizing the promise and managing the risks of AI. This EO is intended to establish new standards for AI safety and security, protects privacy, advances equity and civil rights, stands up for consumers and workers, promotes innovation and competition, advances American leadership around the world. The Administration continues to pursue bipartisan legislation to manage the risk and harness the AI benefits and has secured voluntary commitments from 15 AI companies to manage the AI risks.

Establishing this AI Subcommittee under the Higher Education Committee is a critical step for ASFPM to establish itself as a leader in emerging technologies, and to enhance the current floodplain management approach through new technology adoption. This Subcommittee aims to be the core group sharing knowledge of evolving AI technology and actively looking for best practices to transform technical and policy solutions for floodplain management during the 21st century.

2.0 Objectives

The AI Subcommittee has the following objectives:

1. Bring AI awareness to the ASFPM Members
2. Gauge AI interests from the ASFPM Members to build a professional network
3. Create safe environment to discuss trustworthy AI solution adoptions and concerns
4. Engage with universities and companies that are leading AI research and applications towards floodplain management

3.0 Tasks

Objective 1: Bring AI awareness to the floodplain management community

Tasks:

- Organize webinars and training sessions on AI
- Share AI tools and education resources
- Sharing AI current and developing policies and regulations

Objective 2: Gauge AI interests from the floodplain management community to build a professional network

Tasks:

- Set up a working group and arrange regular check-in meetings
- Inventory projects cases from the group and exchange knowledge
- Schedule in person meeting at the ASFPM conference

Objective 3: Create safe environment to discuss trustworthy AI solution adoptions and concerns

Tasks:

- Present case studies in webinars or conferences
- Publish newsletters on AI policy and technical updates

Objective 4: Engage with universities and companies that are leading AI research and applications towards floodplain management

Tasks:

- Research which universities are engaged in researching and developing AI tools for floodplain management related objectives
- Establish a dialogue with individual researchers engaged in this space and recruit them to become actively involved with ASFPM, the Higher Education Committee, and the AI Subcommittee
- Research which companies currently developing and using AI tools towards floodplain management related objectives
- Establish a dialogue with companies engaged in this space, when applicable, feature relevant tools in webinars for ASFPM, the Higher Education Committee and the AI Subcommittee
- Provide guidance to FEMA to form the funding mechanism to research institutions and universities doing floodplain management related AI research and development