



UNPATS RESOLUTION 2.0

Universal Public Alerting Solutions

CONDUCTED ON 14TH MAY 2025

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PREAMBLE

- In acknowledgment of the rising need for civic safety, fast alerting systems, and resilient digital infrastructure to counteract natural and human-induced emergencies, UNPATS is hereby reaffirmed and refined in version 2.0. This resolution builds upon the silent development period of UNPATS 1.0, whose connected-projects laid the conceptual groundwork through isolated yet foundational experiments in signal systems, alerting modules, and AI-based interactions.



ARTICLE I: VISION AND MISSION

Overall focus on UNPATS
vision and mission.



VISION

A world where every person is warned, protected, and prepared during emergency events, through seamless, fast, and reliable alerting networks enabled by accessible technology and open-source innovation.



MISSION

To innovate and maintain a multi-tier alerting infrastructure that:

- Integrates real-world siren and digital broadcast systems.
- Provides tools and frameworks for governments and civilians alike.
- Acts as an independent but cooperative alerting body for future national and global defense alliances.
- Supports public education and AI-assisted civil defense through outreach programs, smart interfaces, and simulated learning platforms.



ARTICLE II: ORGANIZATIONAL STRUCTURE – PART 1

Central Core Explanation.

#1



Oversees coordination of all 4 UNPATS branches.

#2



Maintains command and resource allocation servers.

#3



Approves internal standards (e.g., WSC protocol definitions, PAIA compliance layers).

#4



Monitors technical documentation, code repositories, and open-source integrity.



ARTICLE II: ORGANIZATIONAL STRUCTURE – PART 2

Sub-Branches & Councils.

Each of the four branches include :-

#1



Lead Developer/Commander (user role)

#2



Project Repositories

#3



Core Assets / Software Stack

#4



Simulation Testbed / Demo Stage

ARTICLE III: BRANCH EXPANSION & FUNCTIONALITY

Arrangement Orders for each
branches are stated as such:-

1ST



UOWS - Universal Outdoor
Warning Siren Systems

2ND



U-EMERCAST - Universal
Emergency Broadcast
System

3RD



UMAS - Universal Mass
Alerting System (Digital
Alerts Framework)

4TH



U-PULERT - Universal Public
Alerting Interface



ARTICLE III: BRANCH EXPANSION & FUNCTIONALITY

All four UNPATs branches and functions.



UOWS
UNIVERSAL OUTDOOR
WARNING SIREN SYSTEMS

Develops and enhances real-world outdoor warning siren systems through simulations, hardware prototyping, and open-source siren controller programs, ensuring public awareness during civil defense emergencies.



U-EMERCAST
UNIVERSAL EMERGENCY
BROADCAST SYSTEM

Establishes a unified emergency broadcasting framework, combining EAS recreations, Malaysian-based concepts, and custom broadcast alerts for seamless alert deployment across digital and smart device platforms.



UMAS
UNIVERSAL MASS
ALERTING SYSTEM

A digital-first mass alert platform featuring real-time systems like QUICKLAS and REALERT, built to instantly deliver urgent, multi-channel notifications to individuals, institutions, and communities.



U-PULERT
UNIVERSAL PUBLIC
ALERTING SYSTEMS

Serves as a dynamic public interface layer for alert notifications, enabling customizable push systems and engaging citizens through integrated alert experiences across personal and community platforms.



ARTICLE III: BRANCH EXPANSION & FUNCTIONALITY

All four UNPATS assets. (1/2)



UOWS
UNIVERSAL OUTDOOR
WARNING SIREN SYSTEMS



U-EMERCAST
UNIVERSAL EMERGENCY
BROADCAST SYSTEM

- Scratch-based recreations of Whelen, Federal Signal sirens.
 - WSS-200R mechanical siren model refurbishment
 - WSC-UDT-01 controller (Wireless Siren Controller - Universal Dual Tone).
 - Sound library with Whelen tone mappings.
 - Git-style repository planned.
-
- Malaysian-style EAS test recreations.
 - PPAC (Practical Push Alert Control).
 - Voice Packs: AI-generated announcements.
 - Alert templates.- Planned Bluetooth mixing interface.



ARTICLE III: BRANCH EXPANSION & FUNCTIONALITY

All four UNPATS assets. (2/2)



UMAS
UNIVERSAL MASS
ALERTING SYSTEM



U-PULERT
UNIVERSAL PUBLIC
ALERTING SYSTEMS

- QUICKLAS and REALERT subsystems.
- Firebase server.
- Template-based builder.
- Planned Android/iOS listener app

- Civil Defense @ Neocities.org site (active).
- Rainmeter plugins.
- Planned alert portal.



ARTICLE IV: PROGRAMS & PARTNERSHIPS

<i>Program</i>	Asset	Description	Status
UNPATS-GPT	[Not Defined Yet]	Core AI for data and logic	Early
PAIA (PERSONAL AI ASSISTANT)	SillyTavern, Kobold AI	Semi-independent AI assistant	Concept
CIVIL DEFENSE @ NEOCITIES.ORG	Neocities.org	Public tone/guide portal	Active
AUTOMATION TOOLS	AutoHotKey, Rainmeter	AutoHotKey, Rainmeter widgets	Ready
SOUND TOOLS	[Not Defined Yet]	TV + alert audio mixer	Experimental
MEDIA HOSTING	YouTube, Tiktok, ETC.	Plan for YouTube/TikTok presence	Planned

ARTICLE V: RECONSTRUCTION & RELIABILITY



Introduce Redundancy Checks

Future Initiative



Reliability Ladder per system

Optimization



Test Cycle for QA + public demo

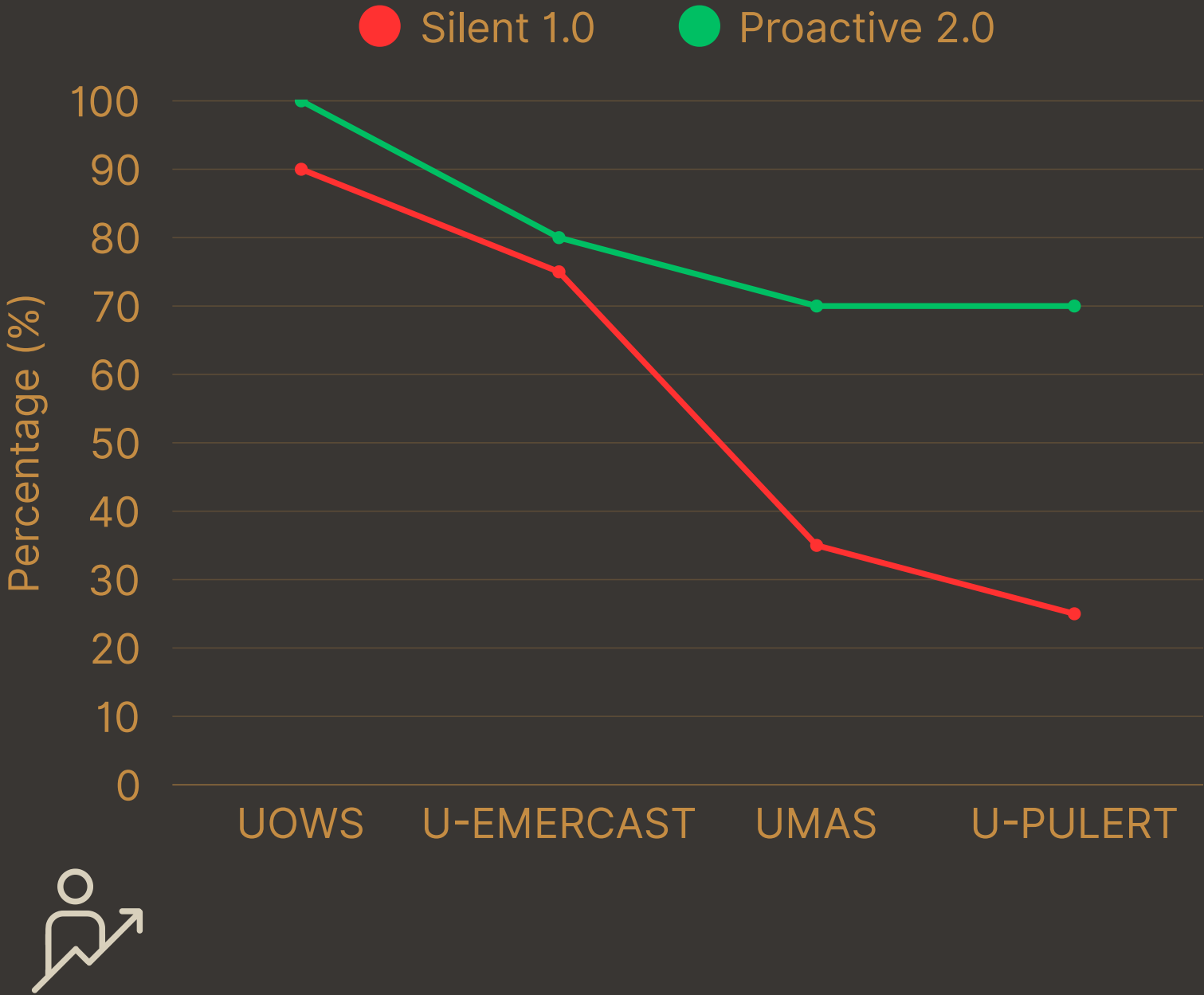
Frequency



GitHub restructuring

Open Source Project

Service Branches Reliability
Percentage for the Silent 1.0 and
Proactive 2.0 Period





ARTICLE VI: RESOLUTIONS

Final resolutions for towards
Proactive UNPATS 2.0.

- Reaffirms importance of modernization.
- Calls upon collaboration globally.
- Authorizes full deployment after 90% reliability.
- Requests continuation of digital interface development.
- Declares UNPATS as a public open-tech civil defense body.



ARTICLE VII: STRATEGIC OUTREACH PLAN



STAGE DEVELOPMENT TOWARD PROACTIVE UNPATS

To ensure UNPATS 2.0+ becomes a proactive and collaborative civil defense initiative, the following staged approach is proposed, involving multiple levels of stakeholders:

**Stage 1: Community Initiation
(Local Citizens & Volunteers)**

**Stage 2: Local Authorities &
Civic Councils**

**Stage 3: Emergency Services &
Civil Defense Bodies**

**Stage 4: National-Level
Partnership (Ministries &
Government Agencies)**

**Stage 5: Cross-Nation & Tech
Collaborations (Private/Tech)**

**Stage 6: International Disaster
Response Organizations & NGOs**

**Stage 7: Mass Public Access &
Certification**

STAGE 1: COMMUNITY INITIATION (LOCAL CITIZENS & VOLUNTEERS)

Objective: Build awareness, engagement, and grassroots support.

- **Public education campaigns on warning systems and emergency alerts.**
- **Recruit local contributors: developers, artists, coders, and testers.**
- **Public demonstration of UOWS sirens, apps, and interfaces.**
- **Feedback collection via online forms and social media.**
- **Launch trial zones using OPEN SIREN software and REALERT beta.**

STAGE 2: LOCAL AUTHORITIES & CIVIC COUNCILS

Objective: Institutionalize small-scale use and build formal relationships.

- **Showcase operational prototypes of WSC-UDT-01 and U-EMERCAST system.**
- **Provide optional integration packages for municipal use.**
- **Offer joint training or simulation exercises with local emergency teams.**
- **Seek local funding or tech support for pilot deployments.**
- **Publish data from small-scale testing (e.g., response time, siren range).**

STAGE 3: EMERGENCY SERVICES & CIVIL DEFENSE BODIES

Objective: Embed UNPATS systems into real disaster response frameworks.

- **Conduct field exercises using QUICKLAS and REALERT with actual first responders.**
- **Share siren layouts and digital alert protocols with Fire, Police, Ambulance units.**
- **Explore co-development of alerts, including severe weather and hazard templates.**
- **Begin drafting national civil defense integration papers.**
- **Validate alert reliability via public safety simulations.**

STAGE 4: NATIONAL-LEVEL PARTNERSHIP (MINISTRIES & GOVERNMENT AGENCIES)

Objective: Seek official backing and legal recognition.

- **Present formal whitepaper and UNPATS Resolution 2.0 documentation.**
- **Apply for national endorsement under Communication, Safety, or Disaster Preparedness ministries.**
- **Request nationwide pilot zones for UOWS/U-EMERCAST deployment.**
- **Begin inter-department testing and legal certification (e.g., spectrum use, override rights).**
- **Propose UNPATS as a future model of national multi-channel alerting.**

STAGE 5: CROSS-NATION & TECH COLLABORATIONS (PRIVATE/TECH)

Objective: Engage innovators and major platforms for technical scale-up.

- Open GitHub and hosting for developer collaboration.
- Begin API integrations with smart TVs, phones, and IoT (for U-PULERT).
- Partner with AI and automation platforms to refine PAIA and UNPATS-GPT.
- Pitch UOWS and U-EMERCAST to civil tech companies for global usage.
- Develop upgradeable firmware/tools for NGOs or public institutions.

STAGE 6: INTERNATIONAL DISASTER RESPONSE ORGANIZATIONS & NGOS

Objective: Establish global interoperability and outreach.

- Present UNPATS 2.0 to groups like UNDRR, IFRC, ASEAN Center for Humanitarian Assistance.
- Collaborate on early warning system development in high-risk regions.
- Propose use of PAIA/UNPATS-GPT for cross-border civil defense support.
- Advocate for standardized formats of digital alerts for multi-region use.
- Translate and adapt materials for multilingual distribution.

STAGE 7: MASS PUBLIC ACCESS & CERTIFICATION

Objective: Deliver accessible tools, gain public trust, and meet global standards.

- Launch REALERT Web & Mobile Interface (public version).
- Establish automated, multilingual push notification system via U-PULERT.
- Share user manuals, safety videos, and educational media.
- Apply for ISO or similar civil safety certifications for UNPATS systems.
- Open a support and feedback portal for global users.



STRATEGIC OBJECTIVES & OUTREACH METHODOLOGIES

- To establish a multi-tiered, collaborative emergency communication and alert system.
- To promote resilient societies through reliable public alerting, both analog and digital.
- To encourage technological innovation in civil defense and rapid response infrastructure.

<< How outreach is conducted practically at each level: >>

Direct Engagement: Through workshops, training, field testing, and seminars.

Digital Platforms: Launching official website modules, mobile apps, GitHub repos.

Open Partnerships: Inviting universities, hackerspaces, and NGOs to co-develop.

Media & Campaigns: Educational content on YouTube, social media drives, alert simulations.



READINESS LEVEL

LEVEL 0 - CONCEPTUAL

Silent development phase (UNPATS 1.0).

LEVEL 1 - LOCAL PILOT

Community testing begins with UOWS and REALERT.

LEVEL 2 - REGIONAL INTEGRATION

Official usage in civic-level systems.

LEVEL 3 - NATIONAL COORDINATION

Adopted by ministries and safety

LEVEL 4 - INTERNATIONAL DEPLOYMENT

Certified, used across multiple nations.

OUTREACH ETHICS & SAFETY COMMITMENT



- UNPATS maintains a **zero-false-alarm** principle and **does not tolerate misuse** of alert systems.
- All alerts are **vetted, tested, and configured** for **minimum panic and maximum clarity**.
- **Privacy, localization, and accessibility** are top priorities for all public interfaces.



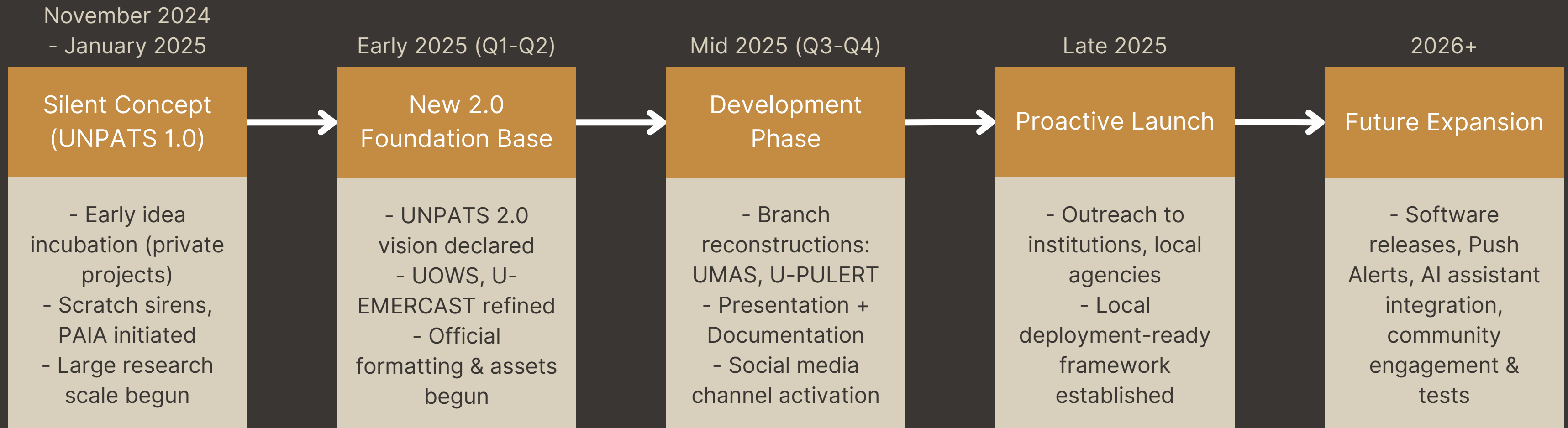
FUTURE LIAISON & AGENCY NETWORKING



- ESTABLISH LIAISON UNITS FOR EACH BRANCH (E.G., UOWS LIAISON, U-PULERT LIAISON).
- APPOINT FIELD REPRESENTATIVES AND REGIONAL MANAGERS WHERE APPLICABLE.
- PROPOSE COLLABORATION WITH EXISTING NATIONAL DISASTER CENTERS AS EARLY ADVISORS.

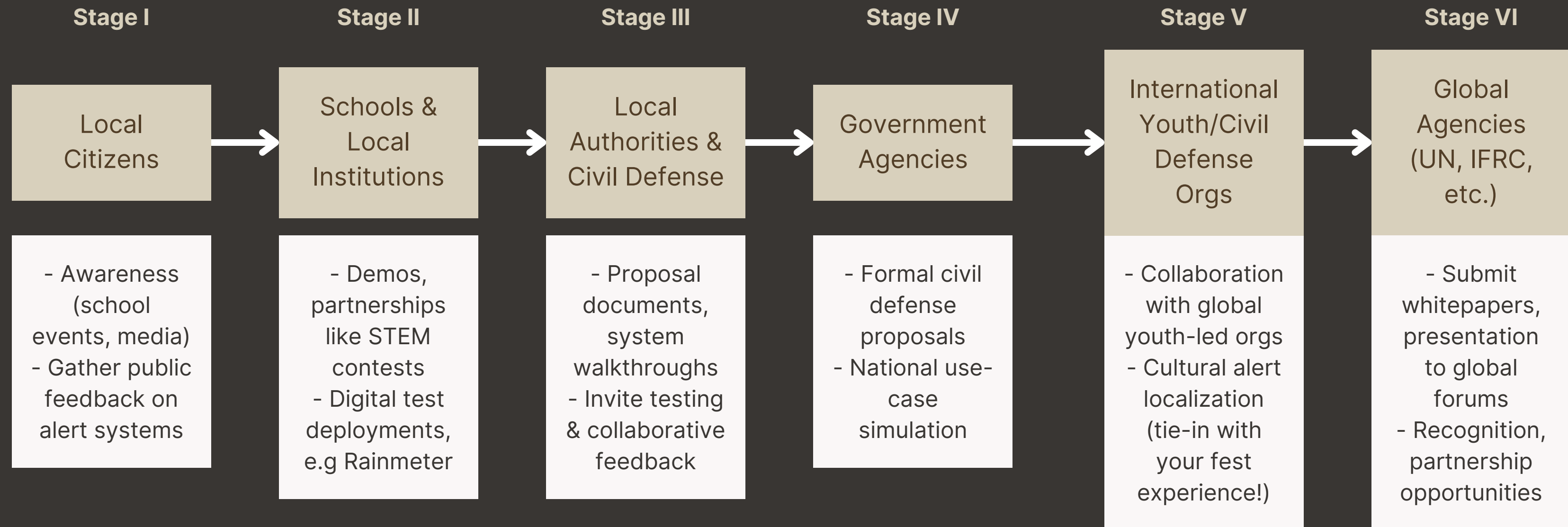
ARTICLE VIII: TIMELINE STRUCTURE FOR UNPATS 1.0 – 2.0+ – PART 1

UNPATS INTERNAL EVOLUTION TIMELINE (CONCEPT TO PROACTIVE)



ARTICLE VIII: TIMELINE STRUCTURE FOR UNPATS 1.0 - 2.0+ - PART 2

OUTREACH PROGRESSION TIMELINE (ARTICLE VII – FROM LOCAL TO GLOBAL)



ARTICLE VIII: TIMELINE STRUCTURE FOR UNPATS 1.0 – 2.0+ – PART 2

SOFTWARE & FEATURE DEVELOPMENT
TIMELINE

Siren Controller WSC-UDT-01 Upgrade	Q2 2025	Improving reliability, add tone stacking
U-EMERCAST Push Alert System (PPAC)	Q2–Q3 2025	Clean handling of interruptive & non-interruptive alerts
UMAS (QUICKLAS + REALERT)	Q3 2025	Fully redefine as a "Digital Alerts" system
U-PULERT Interface (Public Access)	Q3–Q4 2025	Simplified user portal/interface mockups
Social Media Deployment (YouTube etc.)	Q3-Q4 2025	For public access, demos, and outreach
UNPATS-GPT / PAIA Trial Version	Late 2025	Companion + Control AI blend test



CONCLUSION & FORWARD VISION: THE PROACTIVE UNPATS 2.0+

UNPATS 2.0 marks not just an upgrade, but a transformative leap into a **fully proactive civil defense framework** — engineered by **ambition**, sustained by **innovation**, and driven by the **public good**.

With the refinement of all four primary branches, the reconstruction of our purpose, and the realignment of our tools and technologies, UNPATS evolves from a silent concept (1.0) into a **visionary platform built for resilience, speed, and scale**.



UNPATS 2.0+ opens a path forward:

- From community-based alerts to internationally adaptable systems
- From local testing to government and institutional integration
- From basic simulation to reliable, field-deployable systems
- From independent tools to cooperative, open-source networks



We envision a future where:

- Every citizen is **informed and empowered** during crisis.
- Every authority is equipped with **robust early-warning systems**.
- Every region can localize UNPATS to suit their **civil defense needs**.



CONCLUSION & FORWARD VISION: THE PROACTIVE UNPATS 2.0+

This is more than technology.

This is Preparedness. Unity. Innovation. Reliability.

This is UNPATS.



UNPATS
UNIVERSAL PUBLIC
ALERTING SOLUTIONS

