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Population Scale Collaboration

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Dazza Greenwood edited this page 30 minutes ago · 2 revisions

The Personal Media Network concept is a new media riff, combining elements of:

- Collaboration: Computer aided design and deep collaboration digital environments;
- Computation: Massively scalable web-based activity platforms, such as MOOCs (eg edX) and the HackHands Hangout Conference, orchestrated by transparent computational algorithms for key systemic nexus points such as tactical team formation, strategic prioritization of options, cognitive load balancing and agreed use of automatable dispute resolution
- Control: Sandy Pentland's New Deal on Data to ensure the primacy of individual autonomy through common law style private property ownership and management controls applied to individually created content and personal data.

Core methods and fundamental mechanisms underlying the Personal Media Network approach have been tested as part of virtual or physical-virtual hybrid legal hackathon events and other team or project oriented creative online events focused on open innovation. The key methods include:

Unconference Style group ideation and initialization for generating potential options for projects, teams, working sessions and other important outcomes or processes;

On-The-Fly provision of online services on event-trigger or other automated basis, such as automatically generated:

- HTML5 responsive template-driven, mass-customized and fit-to-purpose project overview, project management and project repository web pages based on proposed and agreed project descriptions;
- Collaboration services featuring Google Hangouts created by automatable API-driven provisioned as needed for variable session types including small-group working meetings, special cross-group collaborations, mass-audience live broadcasts and other Google API supported service patterns, easily discoverable and usable through standard links in calendar events or simple web page embedded Hangout Buttons to invoke or join live video sessions. Other automatically generated customizable collaboration services include Etherpad or Hackpad embedded group notes and variously configurable GitHub repositories;
- Scheduling and "Publish-Subscribe" event or alert stream services such as via Sched.org and Google Calendar;
- Multi-Round and Multi-Stakeholder "Bubble-Up" design patterns for modular or micro-tasked large scale rapidly built high quality, rapidly deployed and/or large-complex project types otherwise requiring significantly more time, money or attention to create.

The essence of this approach relies on proposed ideas being able to attract or receive teams and resources how and when needed, based upon resource allocation real-time formula or large-scale self-organizing individual decision making leading to teamwork or micro-tasking for creative new work, innovations and other outcomes.

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As an example, we have developed more process automation and tighter service integration by use of REST interfaces instead of inter-linking and embedding of each service while still relying on manual processes. An example of how to accomplish this would be using the Jetpack plugin and WordPress.com REST API (<https://developer.wordpress.com/docs/api/1/post/sites/%24site/posts/new/>) and the Sched.org API (<https://developer.wordpress.com/docs/api/1/post/sites/%24site/posts/new/>).

A description of the particular process flows and functions has been published at the MIT Legal Physics Research Team blog at [law.MIT.edu/blog/FlowScape](http://law.mit.edu/blog/FlowScape) the API-Based project creation by individual form submission, check out the Jetpack plugin and WordPress.com REST API and the Sched.org API.

Looking forward in the short term, a Ruby on Rails app supporting the upcoming ABA-MIT Online Legal Appathon and an API-extended Wordpress site supporting the upcoming UMKC Law School Access to Justice continuous collaboration community will further adapt or apply key aspects of this approach.

Looking further ahead, the newly released [Eventbrite Webhooks API](#) could enable deeper and more creative integrations of that large-scale existing event registration service to streamline, for example, account creation triggered from a new Eventbrite signup and/or creation of a event complete with ticket purchase and social media alerts through Eventbrite. This type of usage and sequencing of existing large-scale commercial service providers can enable completely new business models for varied types of communities working in concert who together could generate continuous streams of curriculum, interactive events and other valuable programming for which built-in tickets, subscriptions and other payment options already exist. Imagine the sorts of interactive programming large-scale communities of software developers, lawyers, marketers, designers, entertainers and others skilled populations could generate - especially when combining cross-disciplinary content capabilities and diverse talent sets.

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