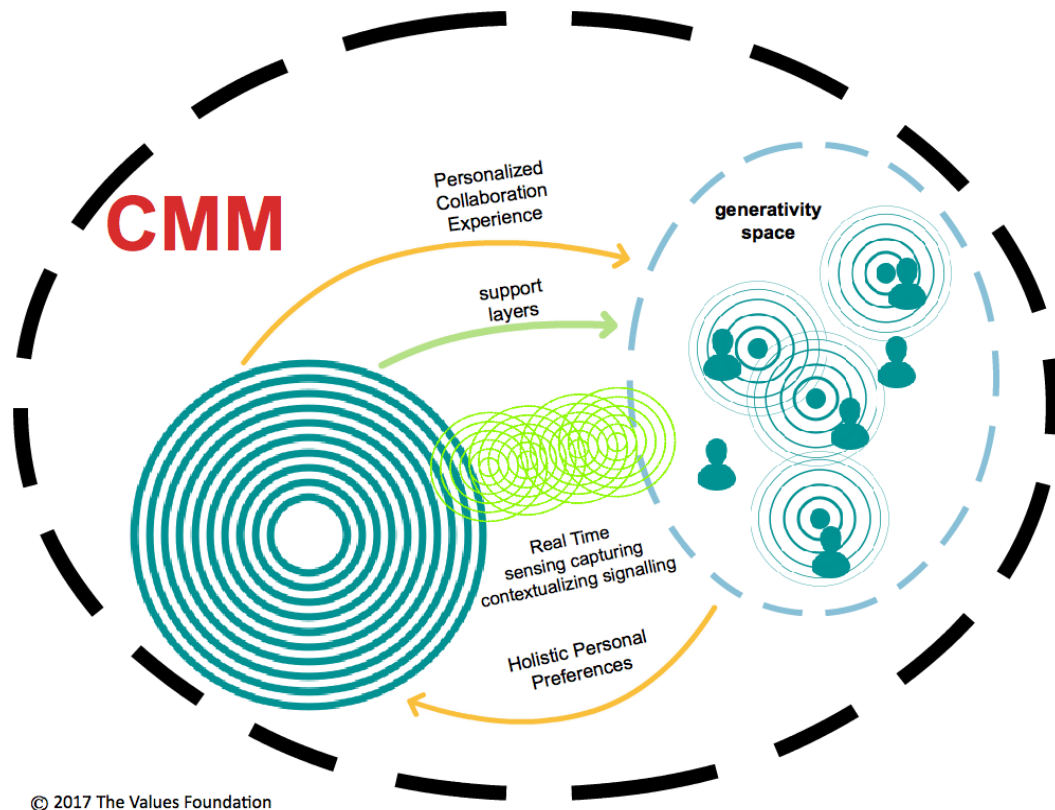


CMM - Collective Metacognition Machinewerks



Going Deeper

Shift of orientation: from technology as an exogenous industrial affordance, to technology as part of an integrated, endogenous, indivisible blend of technology enriching human generative experience. The shift is from humans doing under technology imposed constraints in service to data generation and aggregation; to human beings realizing their generative potential on a continuous basis, individually and collectively, with the benefit of real-time contextual recourse to past collective knowledge, insight and human experiences contemporaneous with the time of generation.

Achieving this endogenous experiential integration requires automated collection, analysis, tagging, correlation, contextualization and synthesis of primary and metadata artifacts, as and when generated; and aggregation with automated curatorial functions incorporated within the storage architecture, so that semantic and memetic layers of meaning (Metacognitive layers) are integrated with the primary source data. Most of the Metacognitive layers are derived from semantic and memetic analysis and evolving translation tables' development.

Lastly, the CMM architecture would ideally be decentralized, based on distributed P2P applications and distributed P2P storage. Of, by and in service to the Commons.

Zoom In

Data and Metacognitive dimensions are coded in **orange and bold**

Opt-In Registration/Onboarding

- Contact Info
- ID Confirm
- WalletAttribution
- Contribution Preferences
- Communication Preferences
- Collaboration Preferences
- Contribution Scale Preference
- Time Preferences
- Software/Platform Application Preferences
- Subject Matter Domain Preferences
- Skills
- Expertise
- Group/Community Affinities/Interests
- Sensorial Preferences

Generative Attribution/Audit Trail

Principles

- Attribution MetaData is file-embedded
- Attribution accompanies Data
- Attribution (Authorship) is Automatically Captured
- Attribution is dynamic
- Attribution includes subsequent augmentation or adaptation
- Enhances clarity/recognition/transparency of Attribution
- Enables value flows back to creators/contributors

Data

Principles

- Has its origination as a byproduct of human generativity or enaction.
- Can be Individually or collaboratively generated.
- Data collection and processing is irrelevant to human generative experience.
- Data has no independent intrinsic nor experiential value.
- Data value is realized when it becomes contextualized Information, representation or enaction.

The data and data mediating technologies provide experiential value without prerequisites.

Data and data mediating technologies serve human generativity and enaction.

Data Flows

Principles

Into Collaboration/Community/Collective

Exogenous Data flowing into the CMM

Internal to Collaboration/Community/Collective

Flows internal to the individual and collective generative endeavors.

Out of Collaboration/Community/Collective

Data Flows associated with distribution or dissemination of collective contributions to the external ecosystem.

Data Commons Resources (Capture/Storage/Reposing)

Principles

Non-Centralized

P2P for Decentralized Access

Individually Used and Controlled

Collectively Sustained

Persistent

Aggregative of Privileges and Properties

Informed by Human-centered Commons-centered

Collectively Subscribed Values

Virtualization of Distributed Vault Meme

Accommodates Loss of Individual Nodes

Homeostatic Mechanism for Distributed Data Persistence

Distributed Applications (Processing)

Principles

- Applications are distributed
- Used by Contributor provided by Contributor
- Artifacts rendered transparently interoperable by the CMM
- Collaboration Applications chosen by collaborators
- CMM affords zero barrier to use for Collaboration Applications by all
- CMM enables transparent interoperability by and between all applications
- Application access, use, and artifact capture, storage, curation and access is automated and customized for each contributor

Functionalities:

- Office Suite
- Graphics
- Scheduling/Calendar
- Collaboration
- Communication
- Mapping
- Reports
- Signalling
- Multi-Media
- Trans-Media
- Synchronous Social Services
- Generativity Space integration
- Search capability
- Analytics
- Polling
- Back-Office Processing
- AI Sentiment Analysis

Attention/Cognitive Flows

Principles

- Discretionary, based on:
 - Individual Choice
 - Individual Rationale
 - Individual Emotion
 - Individual Intuition
- Discretionary relative to:
 - Type
 - Quantity
 - Intensity
 - Quality

Perceived Time Value

Principles

Perceived Time Investment is proportional to the Experienced Pull

Perceived Time is inversely proportional to Experienced Flow

Perceived Time Value is part of the Individual satisfaction within a
Generativity Space

Feeds Integration Layer (Human Awareness/Automation Nexus)

Integration of Human Being/Data/Affordances/Services

Principles

Contextual Awareness

Who

What

When

Where

How

Why

Emotion - Digital Mood Ring

Sensemaking

Persistent

Real-Time

Advanced Text Recognition

Advanced Sentiment Analysis

Relevance Deviation

Ecosystem Emergence Recognition

Experiential Integration

Emergent Correlation Signalling

Emergent Behavioral Signalling

Mapping

Process Flows

Principles

- Processes are individual and collaborative
- Processes may be holonic
- Processes may be continuous and discontinuous
- Processes may be synchronous, asynchronous and emergent
- Processes can evolve or be eliminated
- Processes are by, of and in service to the collective
- Processes may or may not involve dependences
- Processes are collectively developed and evolved

Definitions

- Communication
- Agreements
- Conversations
- Collaboration
- Onboarding
- Knowledge management/transfer
- Information management/transfer
- Data management/transfer
- Creative generation
- Co-generation
- Coordination
- Facilitation
- Decision Making
- Meta Analysis
- Metacognition
- Sentiment Analysis
- Sensemaking
- Signalling
- Reporting
- Presenting
- Packaging
- Publishing
- Navigation

Contribution Preference Map

Principles

Individuals define and disclose how they prefer to contribute
Individuals decide where, when and how much they want to contribute
Any and all contributions are valued and welcomed
Each contributor's dashboard is customized to the contributor preferences
This enables the collective to know and have awareness of the way an individual contributor prefers to contribute, to reciprocally enhance harmonization of the collaborative experience.

Definitions

Collaborate
Comment
Connect
Create
Contribute
Coordinate
Moderate
Facilitate
Curate
Design
Evaluate
Network
Research
Watch
Work Alone

Skills/Talent Map

Principles

Individuals define and disclose what skill(s) or talents they can provide
Individuals decide what and how much they want to provide
Any and all contributions are valued and welcomed.
Each contributor chooses the tools and apps they prefer
This enables the collective to know and have awareness of what the individual contributor can contribute, in terms of skills or talent, to reciprocally enhance harmonization of the collaborative experience.

Definitions

Analyze
Code
Communicate
Create
Critique
Curate
Design
Disseminate
Draw
Edit
Market
Organize
Perform
Prioritize
Synthesize
Write
Present
Build
Assemble
Structure
Calculate
Represent
Present
Construct

Projects

Principles

Easy to Set-Up
Easy to frame and share
Easy to check-out
Easy to follow
Easy to join as Contributor/Team Member
Easy to leave
Zero barrier to participate - no prerequisites

Definitions

Fully integrated with CMM awareness, functionalities and profiles
Automated customized individual experience, tools, interface
Fully automated social messaging, signalling, feedback and communication
Automatically contextualized and individually customizable project dashboards
Comprehensive polling affordances available for collective decision making.

Fully automated project specific data analysis, mining, and cognitive tagging
Fully automated project specific reporting affordances
Fully automated and customizable endogenous publishing affordances
Fully automated and customizable publishing affordances for external exposure

Field of Interest

Principles

Individuals choose and disclose their field(s) of interest
Individuals decide where and how they want to engage
Any and all contributions are valued and welcomed.
This enables the collective to know and have awareness of what the individual contributor is passionate about, and enables connection to others who share that interest and commitment

Definitions

Environment
Health/Wellness
Hunger
Poverty
Homelessness
Education
Agriculture
Energy
Economy
Rights
Politics
Policy
Culture
Society
Populations
Species
Science
Technology
Art

Communication/Signalling

Principles

- Individuals choose their preferred communication and signalling channel(s)
- Each contributor chooses the tools and apps they prefer
- Interoperability is automatic and invisible
- Designed to enhance and facilitate collaborative communication and exchange
- Designed to enable the greatest diversity of participation
- Designed to eliminate barriers of entry due to pre-requisites

Definitions

- e-mail
- Skype
- Facebook IM
- Google Hangouts
- G+
- LinkedIn
- sms txt
- WhatsApp
- Chat
- Voice
- Video

Paradigm Layer

Principles

- Individuals disclose their preferred epistemology(ies)
- Any and all epistemologies are valued and welcomed
- This enables the collective to know and have awareness of the individual contributor's interest and identification with specific epistemologies, and enables connection to others who share those affinities.

Definitions

- Teal
- Holacracy
- Integral
- Spiral Dynamics
- System Thinking
- Design Thinking
- Cybernetics
- Conscious Business
- Biomimicry

Interpretive Services

Principles

- Individually responsive augmented reality resource
- Real-time interpretation and signalling
- AI enabled aggregative learning
- Designed to facilitate collective understanding and intelligence
- Enables transcendence of need for collective lingua franca
- Integrated with the Values Bot

Definitions

- Language
- Technological Interoperability
- Cultural
- Epistemological
- Semantic

Sentiment Sensing & Signalling

Principles

- Language and behavior reflect individual feelings
- Sentiment mapping is dynamic
- Sentiment signalling can be variable
- Signal interpretation evolves and is learned
- Sentiment interpretation signals are individually controlled
- Sentiment interpretation signals are publishable
- Individual responses to Sentiment signals are enabled and channeled

Definitions

- Agreement
- Acknowledgment
- Satisfaction
- Appreciation
- Acceptance
- Curiosity
- Recognition
- Inclusion
- Connection
- Closeness
- Happiness
- Affinity
- Amusement
- Disagreement

Frustration
Antagonism
Blame
Disappointment
Rejection
Alienation
Abandonment
Neglect
Disrespect
Dismissal
Invalidation
Judgment
Misattribution
Misappropriation
Misrepresentation
Abuse

Experiential Sensorial Preferences

Principles

Sensorial Elements are diverse
Multiple dimensional choices could be provided by the Creator(s)
Real-Time customized assembly of elements on delivery or display
Informed by the preferences of the viewer or audience
Individual and Cultural Sensorial Preferences are holonic.
Sensorial elements are both individually and culturally harmonizable

Definitions

Aural
Visual
Tactile
Aromatic
Flavor

Collective Metacognitive Awareness Layers

Of an Individual

Principles

- CMM provides awareness of and insight into each individual's metacognition as a generative contributor
- Enhances interactive awareness of collaborator(s) and/or the collective
- Regarding Individual contributor's preferred cognitive, semantic, social, and experiential interactions.
- Can be derived from both the individual and others' observations

Of the Experiential Emergence

Definitions

- Collective sensing of:
 - Connection
 - Cohesion
 - Alignment
 - Understanding
 - Acceptance
 - Recognition
 - Resonance
 - Respect
 - Perception

Generativity Space

Principles

- Gateway for Persistent Virtual Community synchronous presence
- Persistent 24x7 availability as virtual held space
- No loss of energetic momentum from synchronous collaboration sessions
- Immersive experiential audio visually enhanced
- Global relationship/connection-centered generative memetic platform
- Real-time documentary capture of collaborations

Definitions

- Location and presence tracking of members
- Real time chat
- Seamless integration with CMM features and affordances
- Navigation tools within the Generativity.space to niche micro worlds
- Holochain enhanced
- Memetic search capability