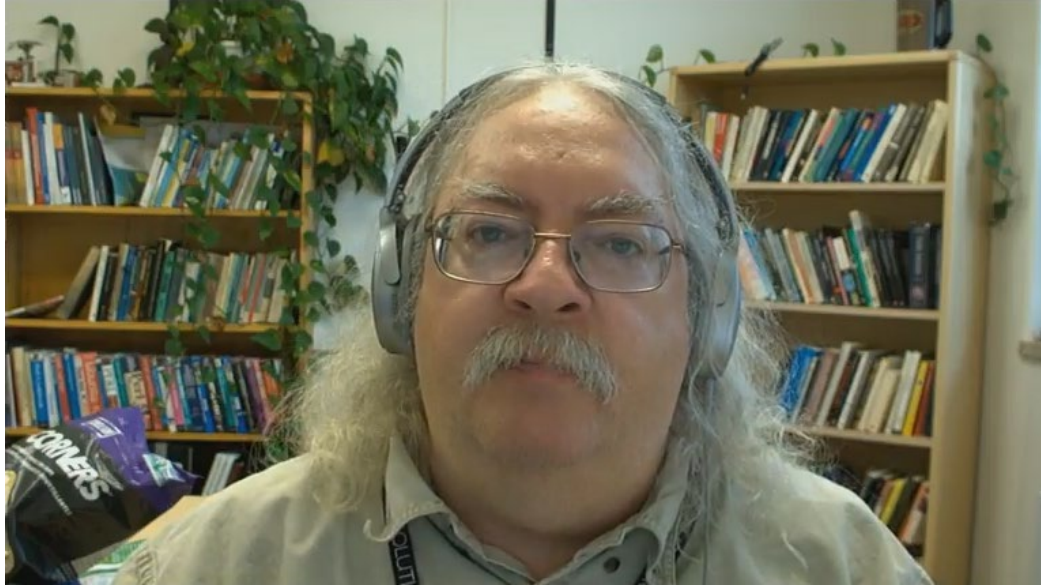


# The Semantic Condition



Stephen Downes  
October 24, 2010

## Network Design Principles

- Specifies how networks differ from traditional learning
- The idea is that each principle confers an *advantage* over non-network systems
- Can be used as a means of evaluating new technology

1. Decentralize
2. Distribute
3. Disintermediate
4. Disaggregate

5. Dis-integrate
6. Democratize
7. Dynamize
8. Desegregate

Principle 6 – ‘Democratize’

is the

**Semantic Condition**

But what is Democracy?

- Rule by the people
- But how?

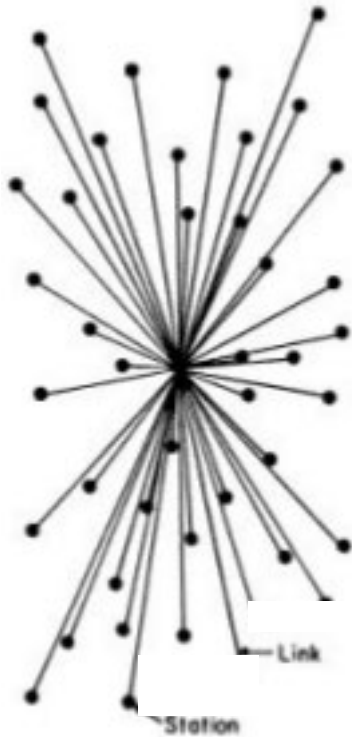
## The State



## The Individual



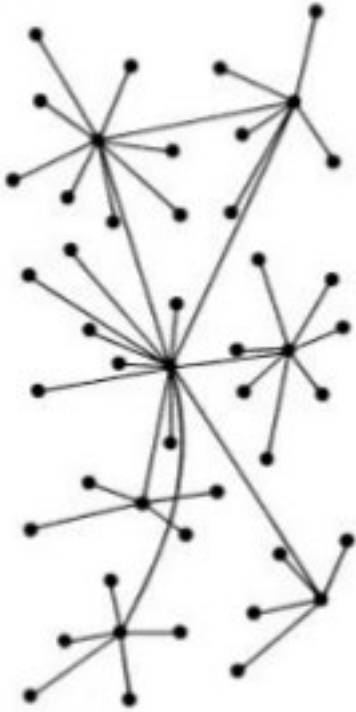
## The State



## The Individual



## The State

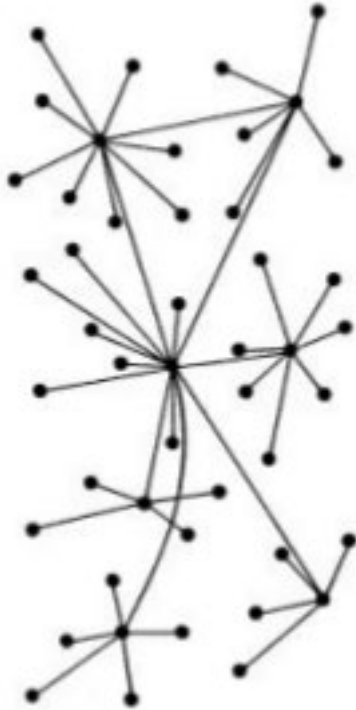


## The Individual

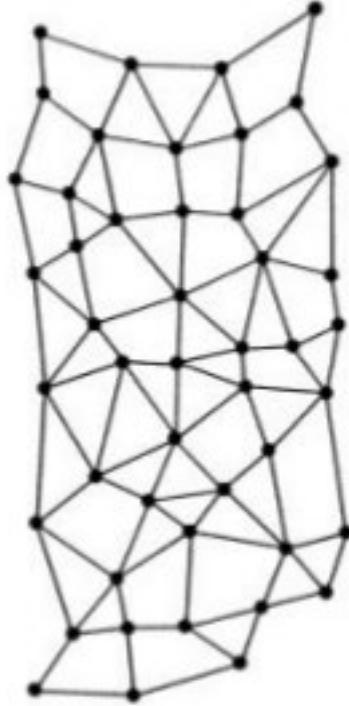




The State



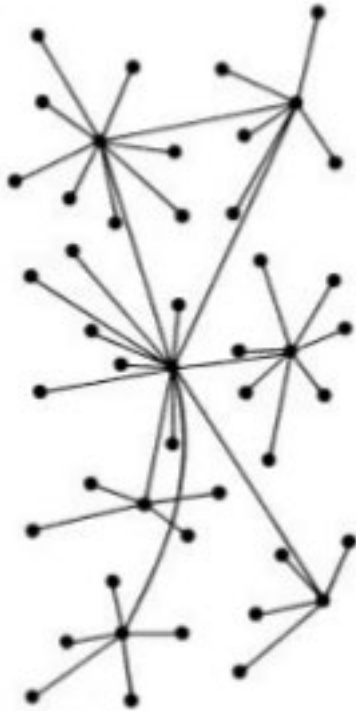
The Network



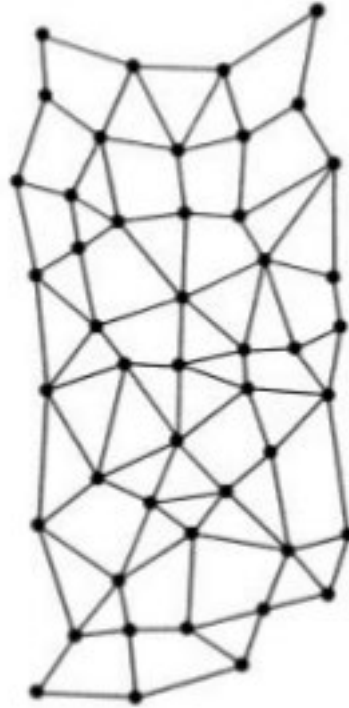
The Individual



The State



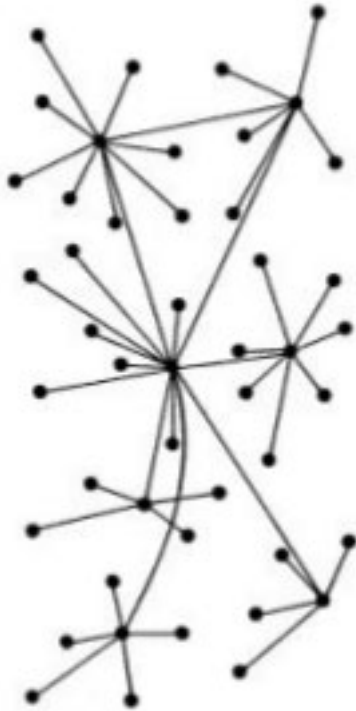
The Network



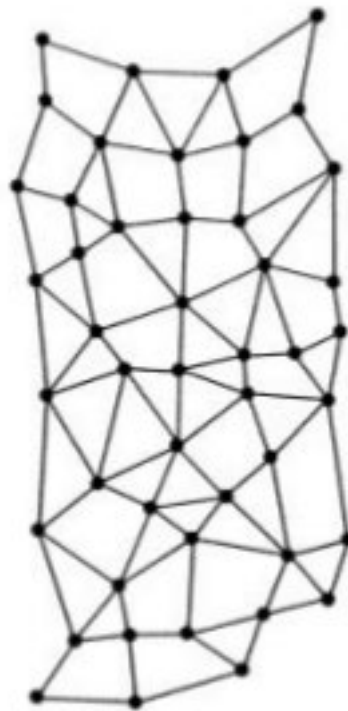
The Individual



The State



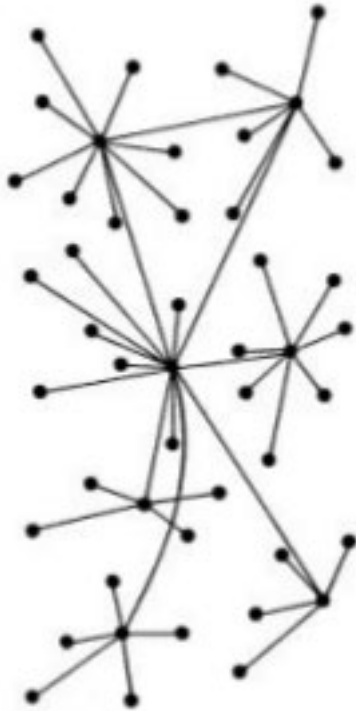
The Network



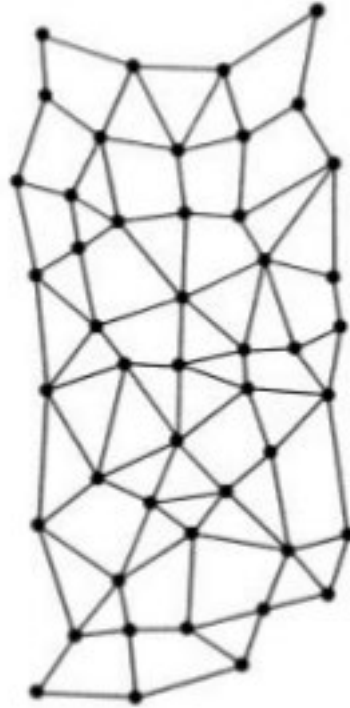
The Individual



The State



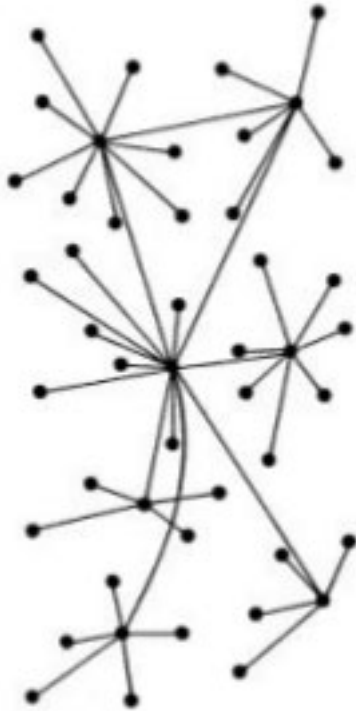
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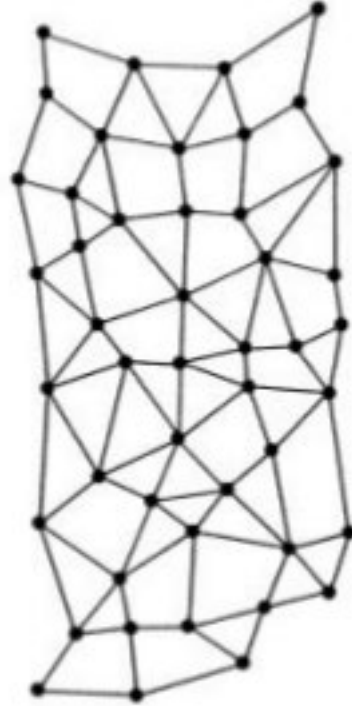
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The State



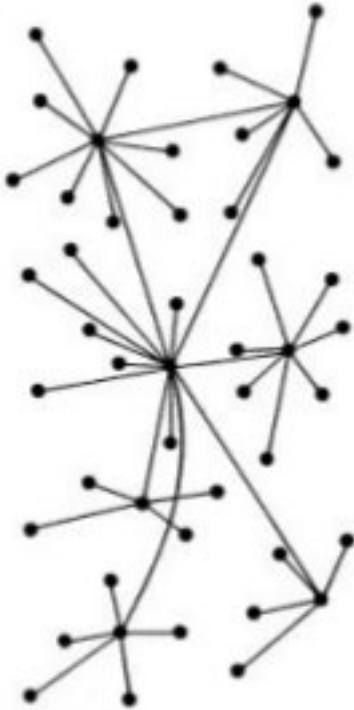
The Network



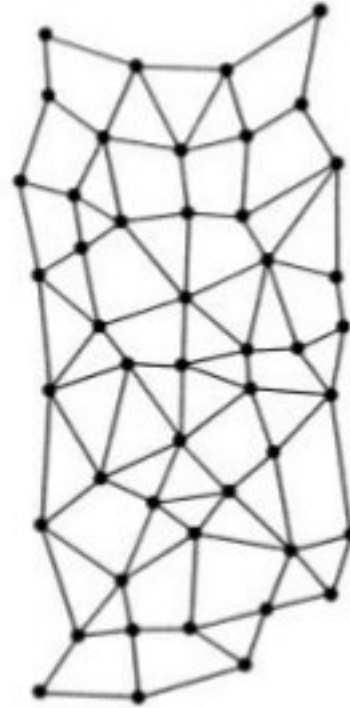
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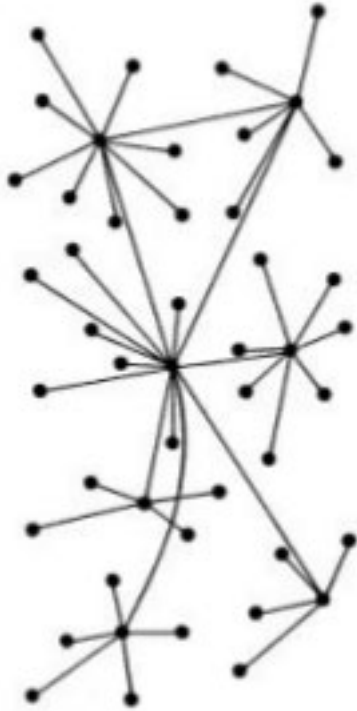
The State



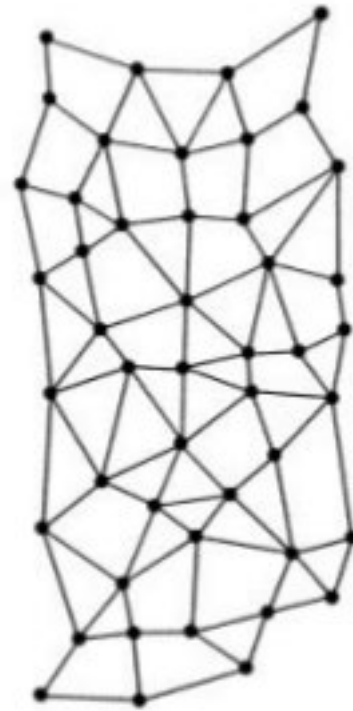
The Network



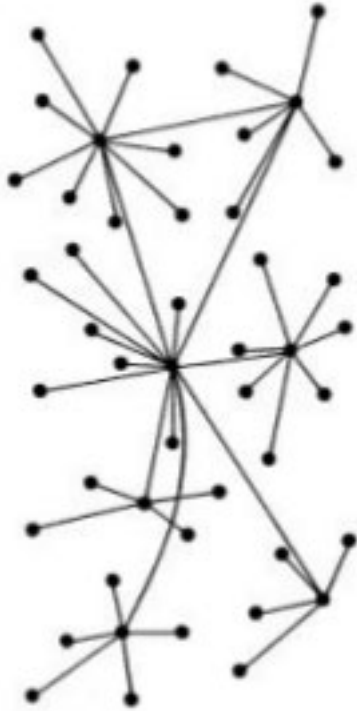
The State



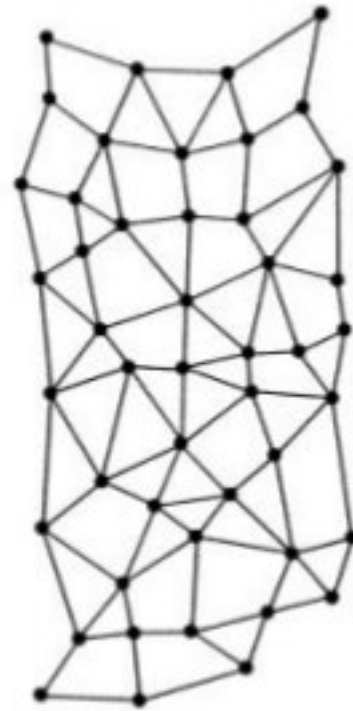
The Network



# Groups

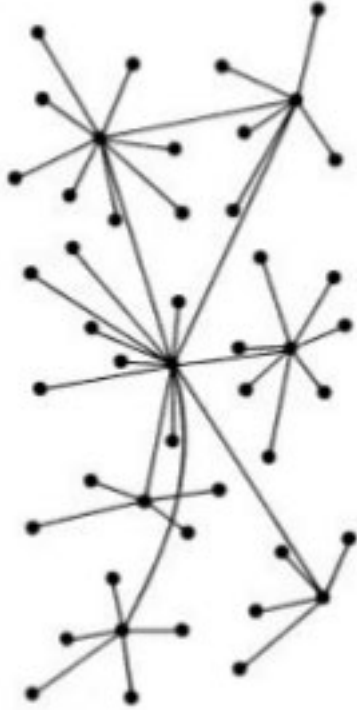


# Networks

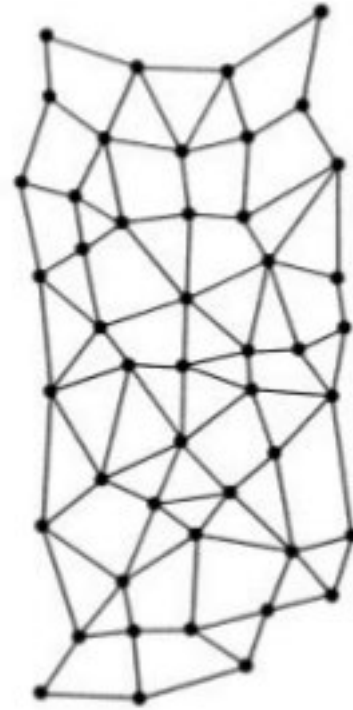




# Groups



# Networks



# Groups

Companies

# Networks

Connectives

# Groups

Collaboratives

# Networks

Connectives

# Groups

Collaboratives

# Networks

Cooperatives

# Groups

Collectives

# Networks

Communities

# Groups



Collectives

# Networks



Communities

TODAY

# Groups

Collectives



FUTURE

# Networks

Communities



TODAY  
SAMENESS

# Groups



ONE  
WAY

Collectives

FUTURE  
AFFINITY

# Networks



MANY  
WAYS

Communities



TODAY  
SAMENESS

# Groups



ONE  
WAY

Collectives

UNITY

FUTURE  
AFFINITY

# Networks



MANY  
WAYS

Communities

TODAY  
SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

## UNITY

FUTURE  
AFFINITY

# Networks



MANY  
WAYS

Communities

TODAY  
SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

FUTURE  
AFFINITY

# Networks



MANY  
WAYS

Communities

TODAY  
SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

FUTURE  
AFFINITY

# Networks



MANY  
WAYS

Communities

## DIVERSITY

TODAY  
SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

FUTURE  
AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

## DIVERSITY

MIXTURES  
SALAD BOWL

TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

Metallic - Elemental

UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY

MELTING POT

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

Organic - Biological

DIVERSITY

MIXTURES

SALAD BOWL

COORDINATION

TODAY

SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY

MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

FUTURE

AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

## DIVERSITY

MIXTURES

SALAD BOWL

TODAY

SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY

MELTING POT

## COORDINATION

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GROUP VALUE

(= LEADER VALUE)

FUTURE

AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

## DIVERSITY

MIXTURES

SALAD BOWL

## AUTONOMY



TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY

MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

Organic - Biological

DIVERSITY

MIXTURES

SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VALUE

TODAY

SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY

MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

## CLOSED

FUTURE

AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

## DIVERSITY

MIXTURES

SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY

MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

Organic - Biological

DIVERSITY

MIXTURES

SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY

MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

Organic - Biological

DIVERSITY

MIXTURES

SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

## OPENNESS

TODAY

SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY

MELTING POT

COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

DISTRIBUTIVE

FUTURE

AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

DIVERSITY

MIXTURES

SALAD BOWL

AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

OPENNESS

CONNECTION

PERSPECTIVE / CONTEXT

BRIDGES

TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

DISTRIBUTIVE

AKA  
TRICKLE DOWN

BROADCAST

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

Organic - Biological

DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

OPENNESS

CONNECTION

PERSPECTIVE / CONTEXT

BRIDGES

TODAY

SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

## DISTRIBUTIVE

BROADCAST

AKA  
TRICKLE DOWN

FUTURE

AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

## DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

## OPENNESS

CONNECTION

PERSPECTIVE / CONTEXT

BRIDGES

## INTERACTIVE

TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

DISTRIBUTIVE AKA  
TRICKLE DOWN

BROADCAST

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

Organic - Biological

DIVERSITY

MIXTURES  
SALAD BOWL

AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

OPENNESS

CONNECTION

PERSPECTIVE / CONTEXT

BRIDGES

INTERACTIVE

CONVERSATION



TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

DISTRIBUTIVE AKA  
TRICKLE DOWN

BROADCAST

☆ STARS AND GURUS ☆

CENTRALIZED

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

Organic - Biological

DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

OPENNESS

CONNECTION

PERSPECTIVE / CONTEXT

BRIDGES

## INTERACTIVE

CONVERSATION

TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

## DISTRIBUTIVE

AKA  
TRICKLE DOWN

BROADCAST

★ STARS AND GURUS ★

CENTRALIZED

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

Organic - Biological

DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

## OPENNESS

CONNECTION

PERSPECTIVE / CONTEXT

BRIDGES

## INTERACTIVE

CONVERSATION

DISTRIBUTED

DEMOCRACY (OR POST-DEMOCRACY)

TODAY

SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

## DISTRIBUTIVE

BROADCAST

☆ STARS AND GURUS ☆

CENTRALIZED

POWER – POWER LAWS



AKA  
TRICKLE DOWN



KNOWLEDGE,  
LIKE MONEY,  
FLOWS FROM  
AUTHORITY

FUTURE

AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

## DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

## OPENNESS

CONNECTION

PERSPECTIVE / CONTEXT

BRIDGES

## INTERACTIVE

CONVERSATION

DISTRIBUTED

DEMOCRACY (OR POST-DEMOCRACY)

TODAY

SAMENESS

# Groups



ONE  
WAY

Collectives

Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION

GROUP VALUE

(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA

STANDARDS - JARGON

WALLS

## DISTRIBUTIVE

BROADCAST

☆ STARS AND GURUS ☆

CENTRALIZED

POWER – POWER LAWS



AKA  
TRICKLE DOWN



KNOWLEDGE,  
LIKE MONEY,  
FLOWS FROM  
AUTHORITY

FUTURE

AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

## DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION

EXCHANGE

MUTUAL VA:UE

## OPENNESS

CONNECTION

PERSPECTIVE / CONTEXT

BRIDGES

## INTERACTIVE

CONVERSATION

DISTRIBUTED

DEMOCRACY (OR POST-DEMOCRACY)

KNOWLEDGE  
EMERGES

TODAY

SAMENESS

# Groups



ONE  
WAY

Collectives

SCHOOL  
CLASS

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION  
GROUP VALUE  
(= LEADER VALUE)

## CLOSED

→ LOCK-IN

MEMBERSHIP / IN CAMERA  
STANDARDS - JARGON  
WALLS

## DISTRIBUTIVE

BROADCAST  
★ STARS AND GURUS ★  
CENTRALIZED  
POWER – POWER LAWS



AKA  
TRICKLE DOWN

↓  
KNOWLEDGE,  
LIKE MONEY,  
FLOWS FROM  
AUTHORITY

FUTURE

AFFINITY

# Networks



MANY  
WAYS

Communities

Organic - Biological

## DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION  
EXCHANGE  
MUTUAL VA:UE

## OPENNESS

CONNECTION  
PERSPECTIVE / CONTEXT  
BRIDGES

## INTERACTIVE

CONVERSATION  
DISTRIBUTED  
DEMOCRACY (OR POST-DEMOCRACY)  
→ KNOWLEDGE  
EMERGES

TODAY  
SAMENESS

# Groups



Collectives

ONE  
WAY



Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION  
GROUP VALUE  
(= LEADER VALUE)

## CLOSED

→ LOCK-IN

MEMBERSHIP / IN CAMERA  
STANDARDS - JARGON  
WALLS

## DISTRIBUTIVE

BROADCAST  
★ STARS AND GURUS ★  
CENTRALIZED  
POWER – POWER LAWS



AKA  
TRICKLE DOWN



KNOWLEDGE,  
LIKE MONEY,  
FLOWS FROM  
AUTHORITY

FUTURE  
AFFINITY

# Networks



Communities

MANY  
WAYS



Organic - Biological

## DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION  
EXCHANGE  
MUTUAL VA:UE

## OPENNESS

CONNECTION  
PERSPECTIVE / CONTEXT  
BRIDGES

## INTERACTIVITY

CONVERSATION  
DISTRIBUTED  
DEMOCRACY (OR POST-DEMOCRACY)  
→ KNOWLEDGE  
EMERGES

TODAY  
SAMENESS

# Groups



Collectives

ONE  
WAY



Metallic - Elemental

UNITY → VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION  
GROUP VALUE  
(= LEADER VALUE)

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA  
STANDARDS - JARGON  
WALLS

## DISTRIBUTIVE

BROADCAST  
★ STARS AND GURUS ★  
CENTRALIZED  
POWER – POWER LAWS



AKA  
TRICKLE DOWN



KNOWLEDGE,  
LIKE MONEY,  
FLOWS FROM  
AUTHORITY

FUTURE  
AFFINITY

# Networks



Communities

MANY  
WAYS



TALKING  
TELEPHONE

Organic - Biological

DIVERSITY

MIXTURES  
SALAD BOWL

## AUTONOMY

COOPERATION  
EXCHANGE  
MUTUAL VA:UE

OPENNESS

CONNECTION  
PERSPECTIVE / CONTEXT  
BRIDGES

## INTERACTIVE

CONVERSATION  
DISTRIBUTED  
DEMOCRACY (OR POST-DEMOCRACY)  
→ KNOWLEDGE  
EMERGES

TODAY  
SAMENESS

# Groups



Collectives

ONE  
WAY



Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

TV  
RADIO  
BOOK, NEWSPAPER  
ALL-STAFF  
EMAIL

## COORDINATION

LEADERS! COLLABORATION  
GROUP VALUE  
(= LEADER VALUE)

## CLOSED

→ LOCK-IN

MEMBERSHIP / IN CAMERA  
STANDARDS - JARGON  
WALLS

## DISTRIBUTIVE

BROADCAST  
★ STARS AND GURUS ★  
CENTRALIZED  
POWER – POWER LAWS



AKA  
TRICKLE DOWN



KNOWLEDGE,  
LIKE MONEY,  
FLOWS FROM  
AUTHORITY

FUTURE  
AFFINITY

# Networks



Communities

MANY  
WAYS



TALKING  
TELEPHONE

Organic - Biological

## DIVERSITY

MIXTURES  
SALAD BOWL

PERSONAL  
EMAIL

## AUTONOMY

COOPERATION  
EXCHANGE  
MUTUAL VA:UE

## OPENNESS

CONNECTION  
PERSPECTIVE / CONTEXT  
BRIDGES

## INTERACTIVE

CONVERSATION  
DISTRIBUTED  
DEMOCRACY (OR POST-DEMOCRACY)  
→ KNOWLEDGE  
EMERGES



TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

SCHOOL  
CLASS

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION  
GROUP VALUE  
(= LEADER VALUE)

## CLOSED

→ LOCK-IN

MEMBERSHIP / IN CAMERA  
STANDARDS - JARGON  
WALLS

## DISTRIBUTIVE

BROADCAST  
★ STARS AND GURUS ★  
CENTRALIZED  
POWER – POWER LAWS



AKA  
TRICKLE DOWN



KNOWLEDGE,  
LIKE MONEY,  
FLOWS FROM  
AUTHORITY

FUTURE

AFFINITY

# Networks



Communities

MANY  
WAYS

??

TALKING  
TELEPHONE

Organic - Biological

## DIVERSITY

MIXTURES  
SALAD BOWL

PERSONAL  
EMAIL

PERSONAL  
HOMEPAGE or  
BLOG

## AUTONOMY

COOPERATION  
EXCHANGE  
MUTUAL VA:UE

## OPENNESS

CONNECTION  
PERSPECTIVE / CONTEXT  
BRIDGES

## INTERACTIVE

CONVERSATION  
DISTRIBUTED  
DEMOCRACY (OR POST-DEMOCRACY)  
→ KNOWLEDGE  
EMERGES

TODAY  
SAMENESS

# Groups



Collectives

ONE  
WAY



Metallic - Elemental

UNITY → VISION  
STATEMENT  
SOMETIMES EVEN PURITY  
MELTING POT

## COORDINATION

LEADERS! COLLABORATION  
GROUP VALUE → **LEARNING OBJECTIVE**  
(= LEADER VALUE) **LEARNING DESIGN**

CLOSED → LOCK-IN

MEMBERSHIP / IN CAMERA  
STANDARDS - JARGON  
WALLS

## DISTRIBUTIVE

BROADCAST  
★ STARS AND GURUS ★  
CENTRALIZED  
POWER – POWER LAWS



AKA  
TRICKLE DOWN

↓  
KNOWLEDGE,  
LIKE MONEY,  
FLOWS FROM  
AUTHORITY

FUTURE  
AFFINITY

# Networks



Communities

MANY  
WAYS



TALKING  
TELEPHONE

Organic - Biological

DIVERSITY  
MIXTURES  
SALAD BOWL

PERSONAL  
EMAIL

PERSONAL  
HOMEPAGE or  
BLOG

## AUTONOMY

COOPERATION  
EXCHANGE  
MUTUAL VA:UE

OPENNESS

CONNECTION  
PERSPECTIVE / CONTEXT  
BRIDGES

## INTERACTIVE

CONVERSATION  
DISTRIBUTED  
DEMOCRACY (OR POST-DEMOCRACY)  
→ KNOWLEDGE  
EMERGES

PORTFOLIO?  
SELF-DIRECTED  
LEARNING  
COMMUNITY OF  
PRACTICE

TV  
RADIO  
BOOK, NEWSPAPER

ALL-STAFF  
EMAIL

CORPORATE  
WEBSITE or  
PORTAL

LEARNING  
MANAGEMENT  
SYSTEM

PERSONAL  
LEARNING  
ENVIRONMENT

TODAY

SAMENESS

# Groups



Collectives

ONE  
WAY

SCHOOL  
CLASS

Metallic - Elemental

## UNITY

→ VISION  
STATEMENT

SOMETIMES EVEN PURITY  
MELTING POT

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LEARNING  
COMMUNITY OF  
PRACTICE

PERSONAL  
LEARNING  
ENVIRONMENT

RSS  
HTML

## OPENNESS

CONNECTION

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LEARNING  
MANAGEMENT  
SYSTEM

IEEE 1484.12.1  
MS-WORD

TODAY

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## DISTRIBUTIVE

BROADCAST

☆ STARS AND GURUS ☆

CENTRALIZED

POWER – POWER LAWS

RICH

POOR

AKA  
TRICKLE DOWN



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FUTURE

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# Networks



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MIXTURES  
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EXCHANGE  
MUTUAL VA:UE

PORTFOLIO?  
SELF-DIRECTED  
LEARNING  
COMMUNITY OF  
PRACTICE

## OPENNESS

CONNECTION  
PERSPECTIVE / CONTEXT  
BRIDGES

OPENID?  
IDENTITY

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→ KNOWLEDGE  
EMERGES

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RADIO  
BOOK, NEWSPAPER

ALL-STAFF  
EMAIL

CORPORATE  
WEBSITE or  
PORTAL

LEARNING  
MANAGEMENT  
SYSTEM

IEEE 1484.12.1  
MS-WORD

PASSWORDS  
ENTERPRISE

PERSONAL  
EMAIL

PERSONAL  
LEARNING  
ENVIRONMENT

RSS  
HTML

TODAY

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CONVERSATION  
DISTRIBUTED  
DEMOCRACY (OR POST-DEMOCRACY)  
→ KNOWLEDGE  
EMERGES

SKYPE  
PODCAST?  
MESSAGING  
SOCIAL NETWORKS

TV  
RADIO  
BOOK, NEWSPAPER

ALL-STAFF  
EMAIL

CORPORATE  
WEBSITE or  
PORTAL

LEARNING  
MANAGEMENT  
SYSTEM

IEEE 1484.12.1  
MS-WORD

PASSWORDS  
ENTERPRISE

PODCAST - VODCAST --

SOCIAL MEDIA  
TWITTER  
FACEBOOK

PERSONAL  
EMAIL

PERSONAL  
LEARNING  
ENVIRONMENT

RSS  
HTML

CC - GPL



<http://www.downes.ca>