

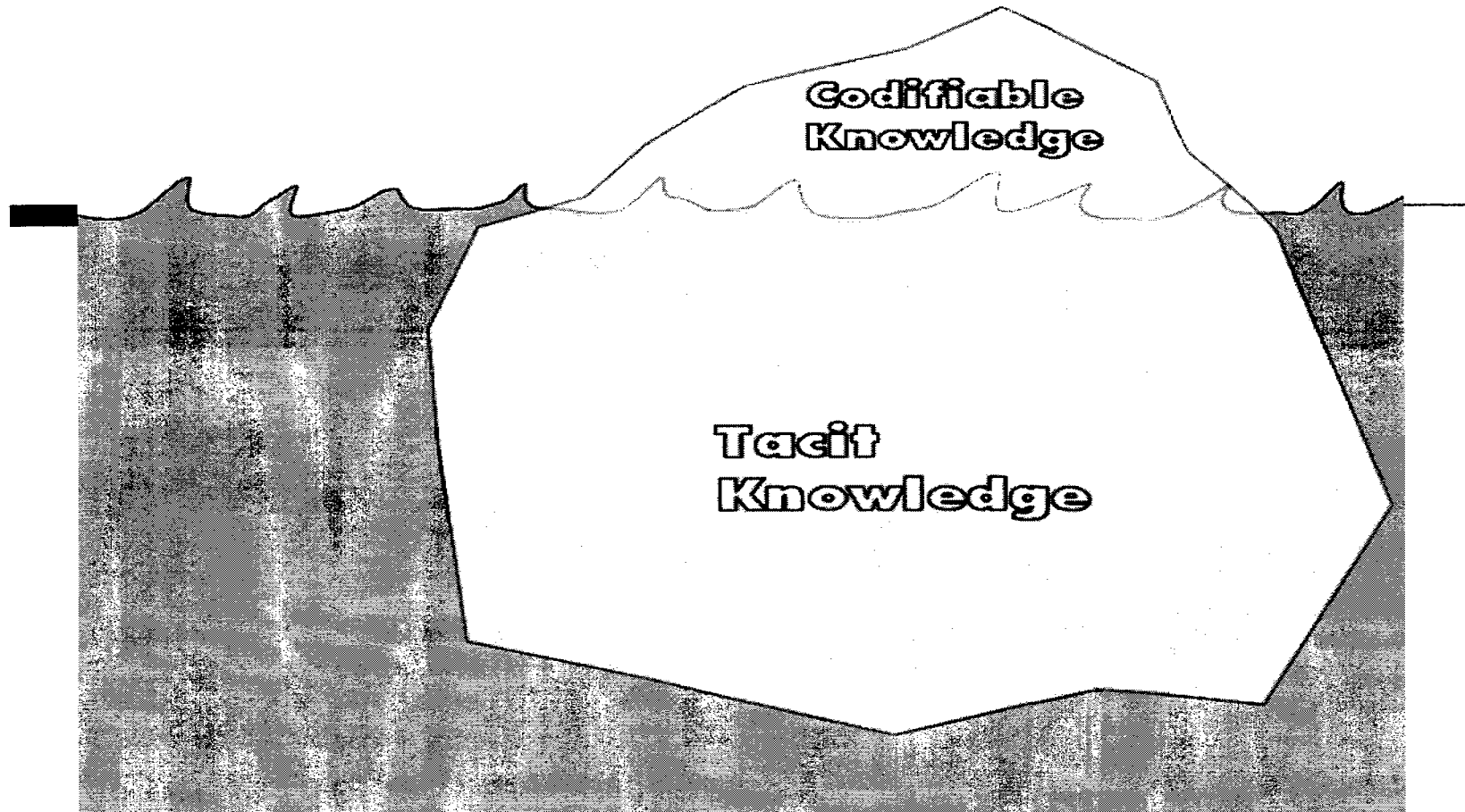
Presentation on
Knowledge Management

By Jaap Pels
For

RCD Workshop 17 Dec 2002

133-02PR-18061

The Knowledge Iceberg



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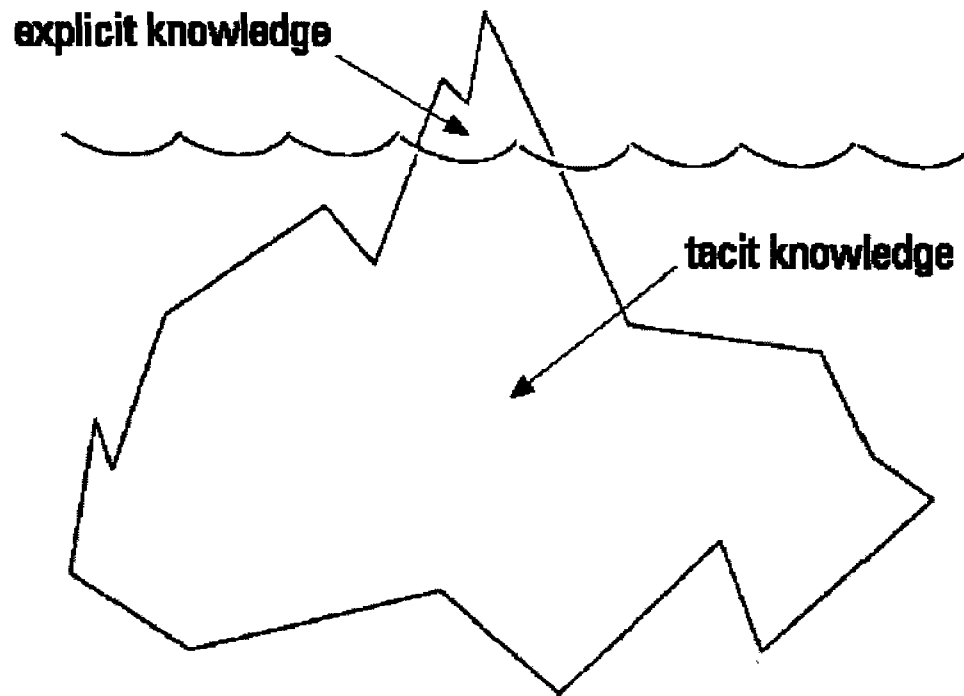
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Knowledge Management

Program of this presentation

- 📖 3 Definitions and backgrounds
- Σ 33 Knowledge Value Chain The Model
 - ✓ KVC Mission, Vision and Goal (s)
 - ✓ KVC Description chain / Close the loop
 - ✓ Organisational Design Variables
- 💀 47 KVC by column and 'Harvard style'
- 💣 100 Knowledge Value Chain IRC
- 😊 142 Loose ends and ... links to RCD

Definitions and backgrounds



Knowledge and Music

Information Is Not Knowledge...

Knowledge Is Not Wisdom...

Wisdom Is Not Truth...

Truth Is Not Beauty...

Beauty Is Not Love...

Love Is Not Music...

Music Is The Best...

Frank Zappa, 1940-1993

Knowledge Management

- Google on KM
- KM4DEV community
 - Resources Documents Org. KM Profiles
- Knowledge Transformation® Int. (FAQ)
- I chose the Weggeman Knowledge Value Chain as a working model

There is nothing so practical as good theory

Kurt Lewin

Knowledge Management in Math

□ Weggeman: $K = I \times f(e, s, a)$

- K = knowledge
- I = information
- e = experience
- s = skills
- a = attitude

□ Kathleen:

- knowledge is information in use

Knowledge Management in SNV

- Knowledge is a conscious or unconscious personal capacity that enables someone to execute a particular task. As such, knowledge is a product of the information, the experience, the skills and the attitude available to that person at that moment
- Knowledge management is seen as a process that has to have direct and concrete benefits in our performance: that is in the quality of the service to the client and of the individual advisor's performance

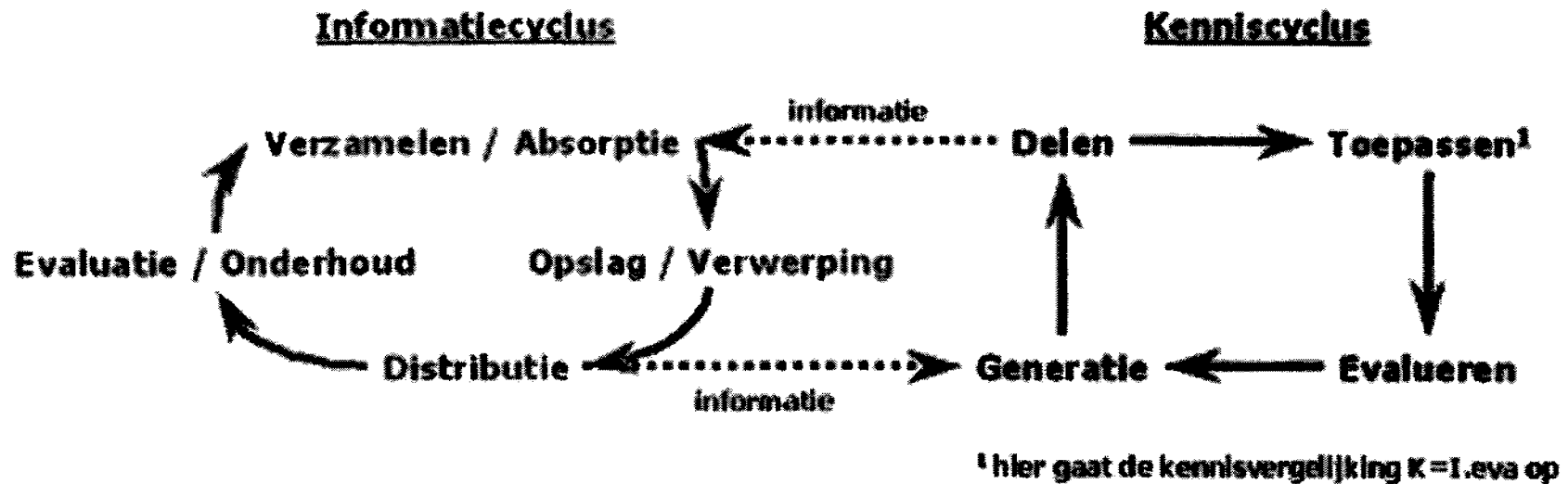
Knowledge Management definition Weggeman

- Knowledge management is set up the Knowledge Value Chain in such a way that the **return on investment** and **pleasure** from the production factor Knowledge increases.
- De Knowledge Value Chain as **cyclic process** is based on the organisations mission, vision, goals and strategy.
- The value chain **can** form a good basis for developing a plan related to KM.

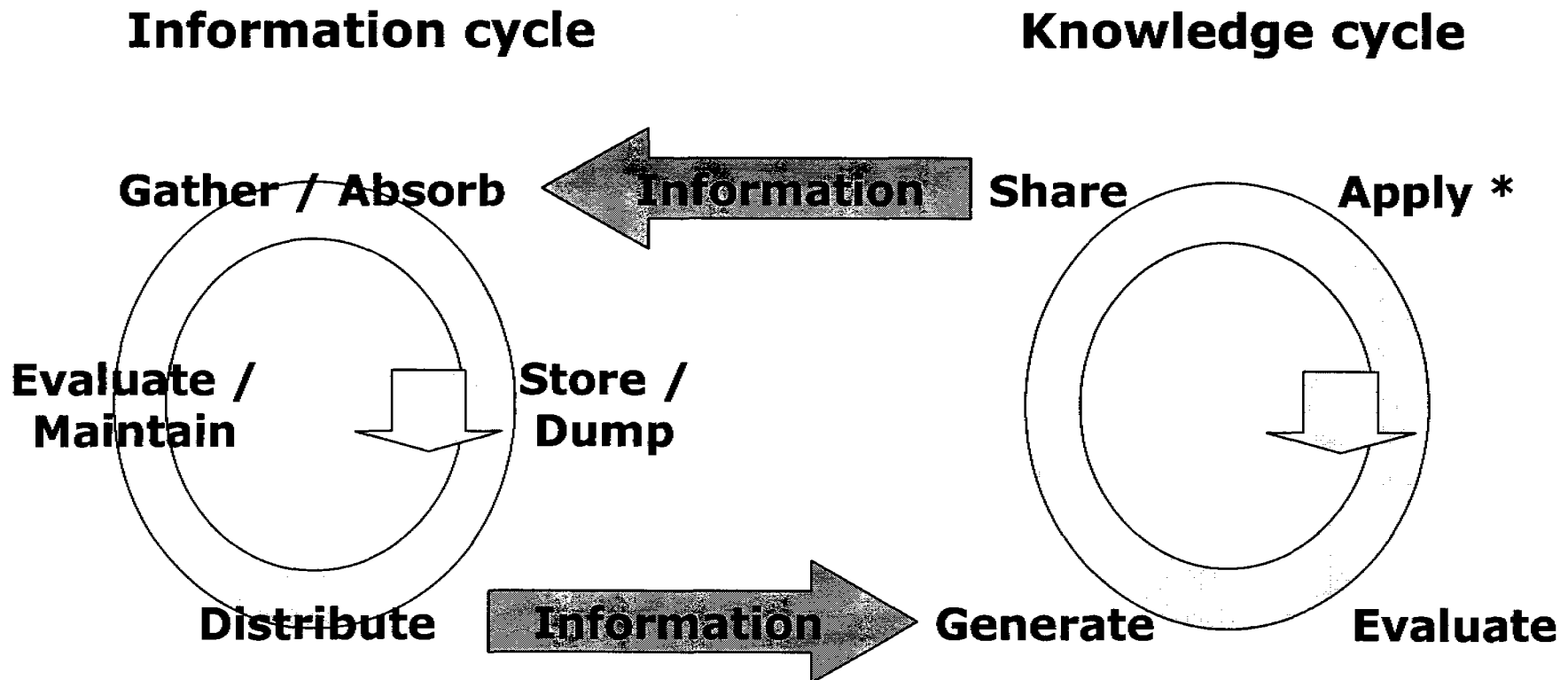
Knowledge Management and Water Cooler Technology

- A majority of knowledge sharing takes place during informal conversation around the water cooler (Nancy C. Shaw)

Knowledge Management versus Information Management



Knowledge Management versus Information Management



* Here: $K = I * f(esa)$

Knowledge Management versus Information Management

- **IM = process / operational**
 - Structured data
 - Clear task repetition
 - Low impact / activity
 - Products, orders, bills, stock, requests, scheme's etc
 - **Internal processes**

 - Structured administrative and logistic processes
 - Administration, planning, data warehousing, EDI
 - Emphasis on **data processing and task automation**
 - Formal info-exchange, management reports

 - **Individual access** to organizational data
 - Added value: **efficiency**, quality avoid mistakes

- **KM = policy / managerial**
 - **Unstructured processes**
 - Complex unique tasks
 - **High impact** / activity
 - Analysis, views, logic, conclusions, procedures, methods and techniques
 - **External (f) actors** (competitor, market, politics)
 - Management, policy, planning, design, research, sales
 - DIS, multimedia, intra/internet

 - Emphasis on **doc-info-systems Knowledge exchange**
 - **Informal exchange** of knowledge, information and advocacy, background information
 - **Organization wide access to knowledge of individuals**
 - Added value: **effectively** policy, design quality, capitalize chances

From KM-handbook by J. Mackenzie Owen

Knowledge Management versus Information Management

□ Data / information management

- Processing large volumes of facts with little human interaction
- Puts data into organized frameworks

□ Knowledge Management

- Requires human interaction – material must be organized to facilitate human access to it.
- KM provides links between organized frameworks.

Knowledge Management

Definitions of Data

- ❑ Unorganized facts, static's, opinions and predictions gathered from various sources inside and outside the company [Gate1995]
- ❑ Symbolical reflection of numbers, quantities, magnitudes or facts [Weggeman1997]
- ❑ Statements or facts that are raw material and have no tangible meaning until used [leman1998]

Knowledge Management

Definitions of Information

- ❑ Interpreted data. [SF00]
- ❑ Data that is relevant for a specific purpose [Gate1995]
- ❑ Data where a meaning can be recognized [VSS1997]
- ❑ Data that has been interpreted and has a meaning for the individual who has interpreted the data [Weggeman1997]
- ❑ The of the comparison of data which are situation ally structured in order to arrive at a message that is significant in the given context [Weggeman1996]
- ❑ The raw material of knowledge [Kemp1999]

Knowledge Management

Definitions of Knowledge 1

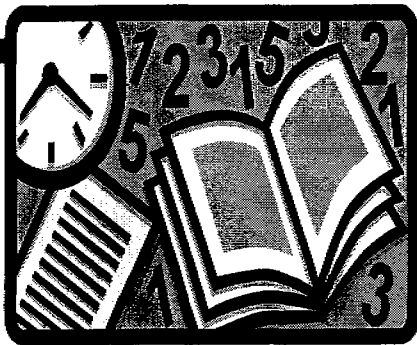
- ❑ Information in action [SF00]
- ❑ Information transformed into capability for effective action. [SF00]
- ❑ What we know and what we can do [Tecs1999]
- ❑ Use of information [Csuisse2000]
- ❑ A personal ability to perform a certain task [Weggeman1997]
- ❑ Experience, intuition and judgment [Pimsleur]
- ❑ The opportunity to give a meaning to data and to convert it into information [Leman1998]

Knowledge Management

Definitions of Knowledge 2

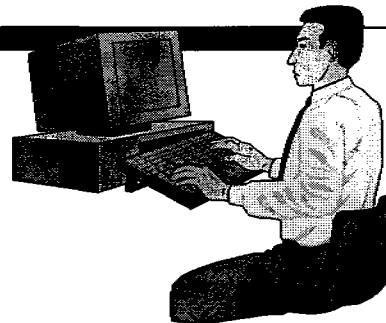
- ❑ Knowledge is what people know [Daven1997]
- ❑ Knowledge is the capacity that enables someone to perform a particular task and it is obtained with the aid of information [Kemp1999]
- ❑ The overwhelmingly important productive resource in terms of its contribution to value added and its strategic significance [Grant1997]
- ❑ The primary production factor [Kemp1999]
- ❑ A crucial factor in providing organizations with lasting competitive advantage [Kemp1999]
- ❑ A product of information, experience, skills and attitude [Kemp1999]

But what is knowledge? S. Song



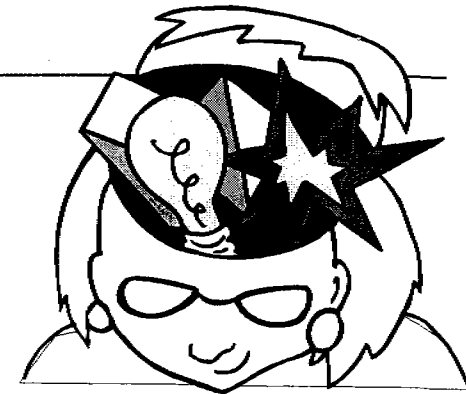
Data

A record of a change of state



Information

Data organized with a purpose.
A message



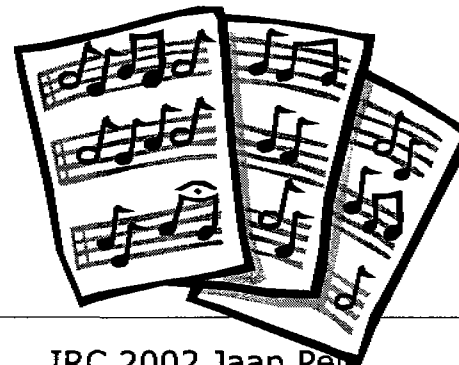
Knowledge

Literally... what people know.



19-12-2002

A Music Note



IRC 2002 Jaap Peis

A Music Score



18

A Performance

Knowledge Management

Definitions of Competence

- ❑ A set of intellectual capabilities, which enable an organizational entity to act [Kemp1999]
- ❑ A product of information, experience, skills and attitude [Weggeman1997]
- ❑ A personal mastery and mental models: ability to discover, invent, produce and observe [Senge]
- ❑ Ability to create new knowledge through a dynamic interplay of tacit and explicit knowledge [Nota1995]
- ❑ Ability to perform knowledge work [Prieto1998]
- ❑ Human capital [Hackett1997]

Knowledge Management Process

- “The process through which firms create and use their institutional and collective knowledge”. [Msarv1999]
- “KM deals with organizing and controlling the operational processes in the knowledge value chain in the most efficient way” [Weggeman19997]
- “KM focuses on facilitating and managing knowledge related activities such as creation, capture, transformation and use” [Wiig1997a]
- KM is the systematic, explicit, and deliberate building, renewal, and application of knowledge to maximize an enterprise’s knowledge-related effectiveness and returns from its knowledge assets. [Wiig 1997b]

Knowledge Management Learning Organization

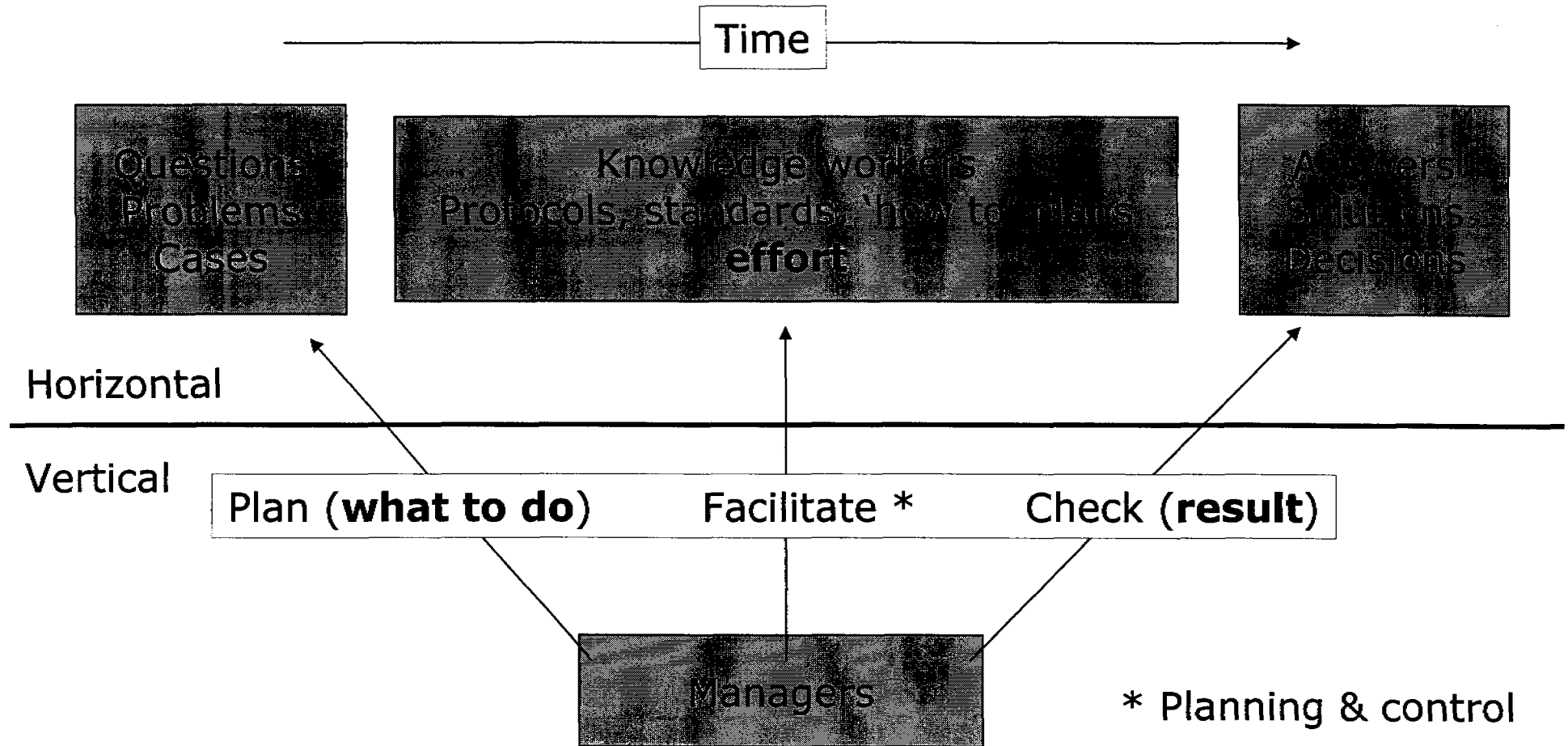
- “Firms that purposefully construct structures and strategies so as to enhance and maximize organizational learning” [Dodgson1993]
- “Organizations that continually expand their ability to shape the future” [Senge1992]
- “Firms that make continual learning a way of organizational life, especially improving the performance of the organization as a total system” [kemp1999]

Knowledge Management

Knowledge intensive organization

- “An organization where knowledge is a competitive production factor and where knowledge is of primary importance for the achievement of the business objectives” [Ieman1998]
- “An organization where humans with high degree of knowledge are critical for the primary work of the organization” [Kemp1999]
- “An organization with mainly knowledge workers in the primary process or at least in the technical staff when this has a dominant influence on the functioning of the primary process” [Weggeman1996]

Knowledge Management The primary process hor. & vert. governance

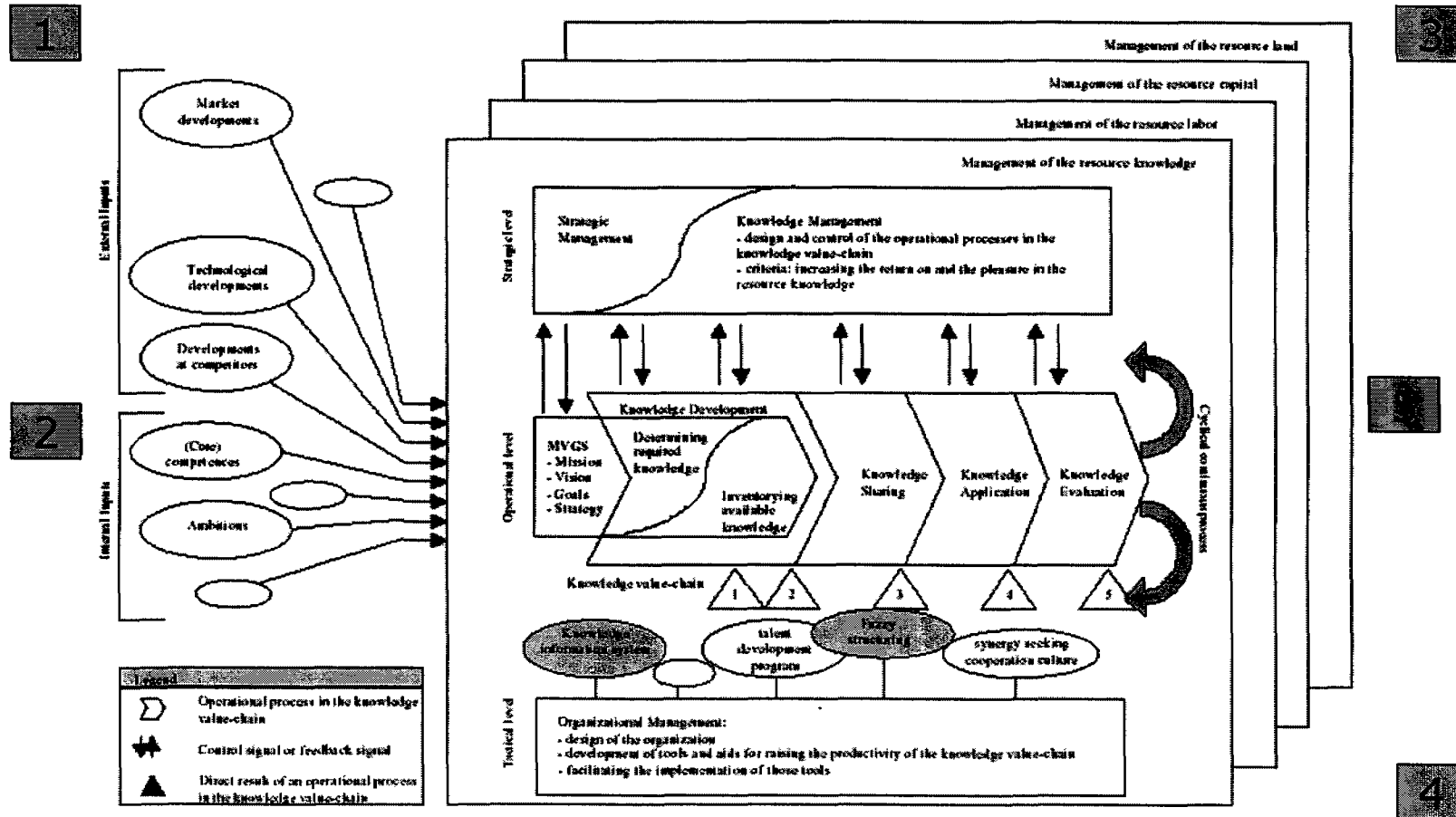


Vertical governance:

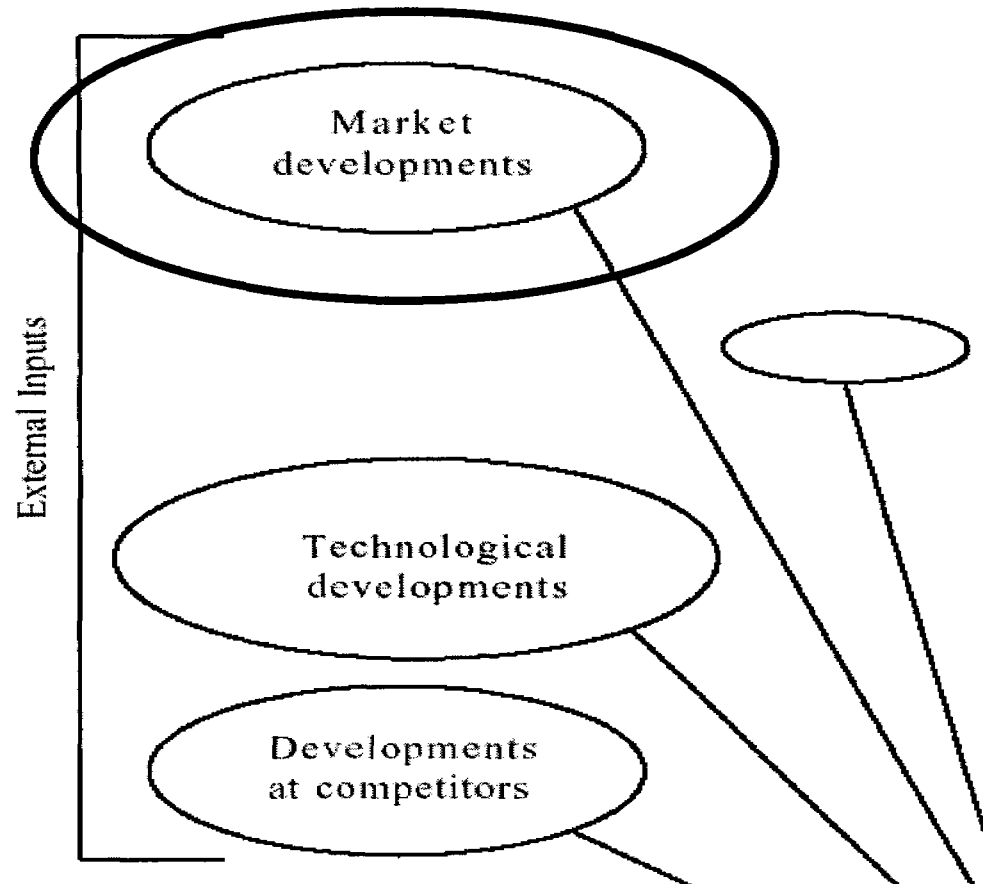
Some cycles to setup:

- Cycle 5 year plan Strategy / BP
- Cycle year plan BP / plan money
- Planning, mid year an End year talks personnel
- Meetings MT / ICT group / sections
- Meetings / presentations Board / Sponsor / internal
- Annual reports (social, financial and content)
- Events to attend / present projects / score
- PR / press conferences / press releases

KVC in organizational context

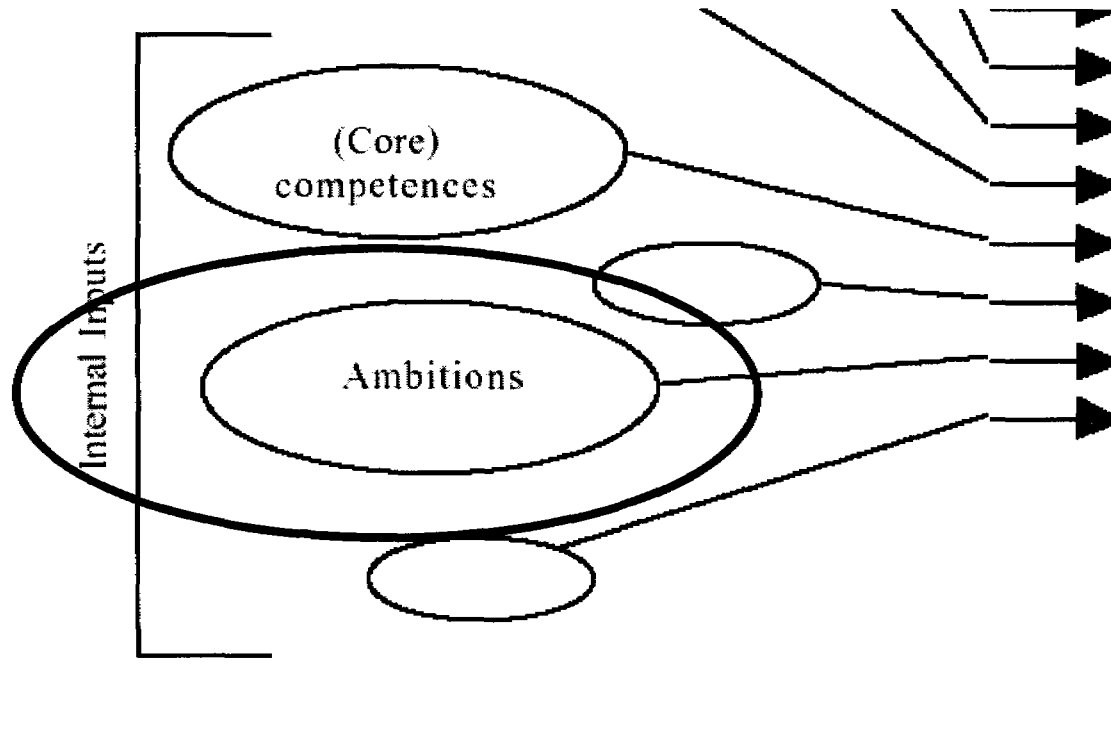


Context: External inputs

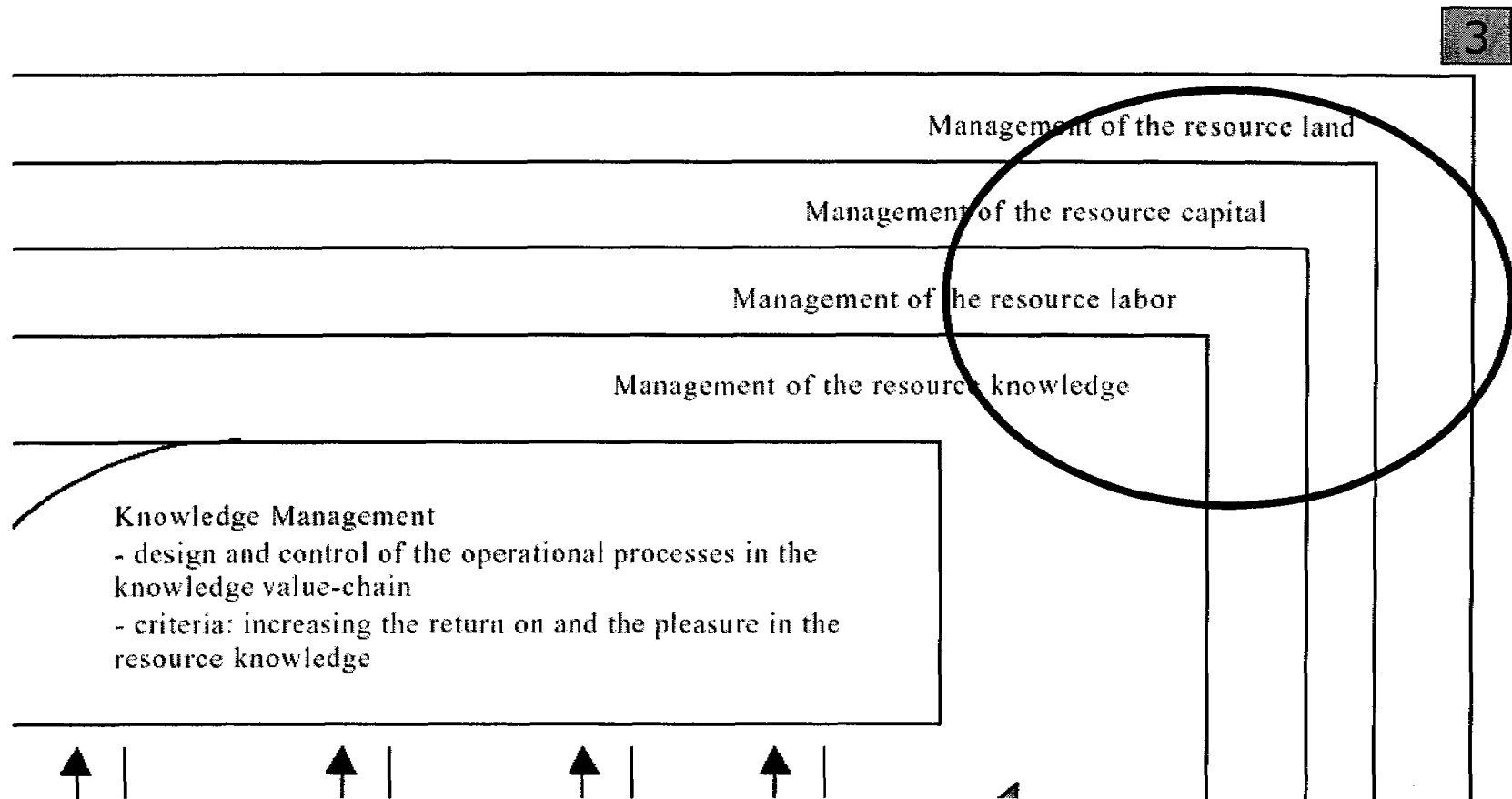


Context: Internal inputs

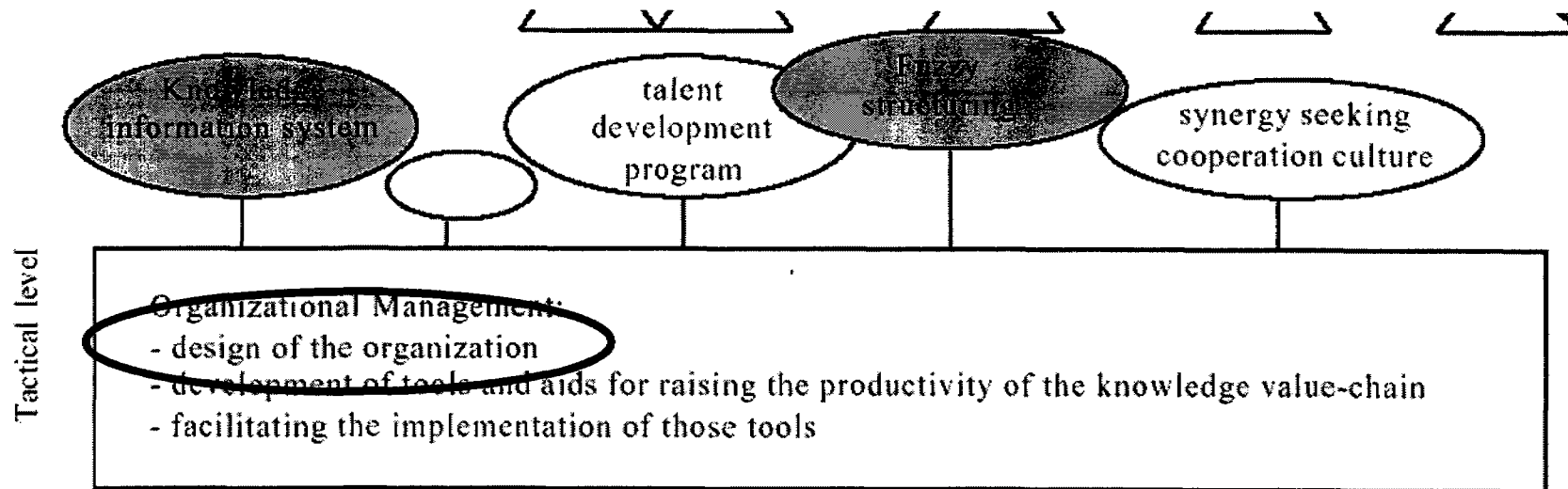
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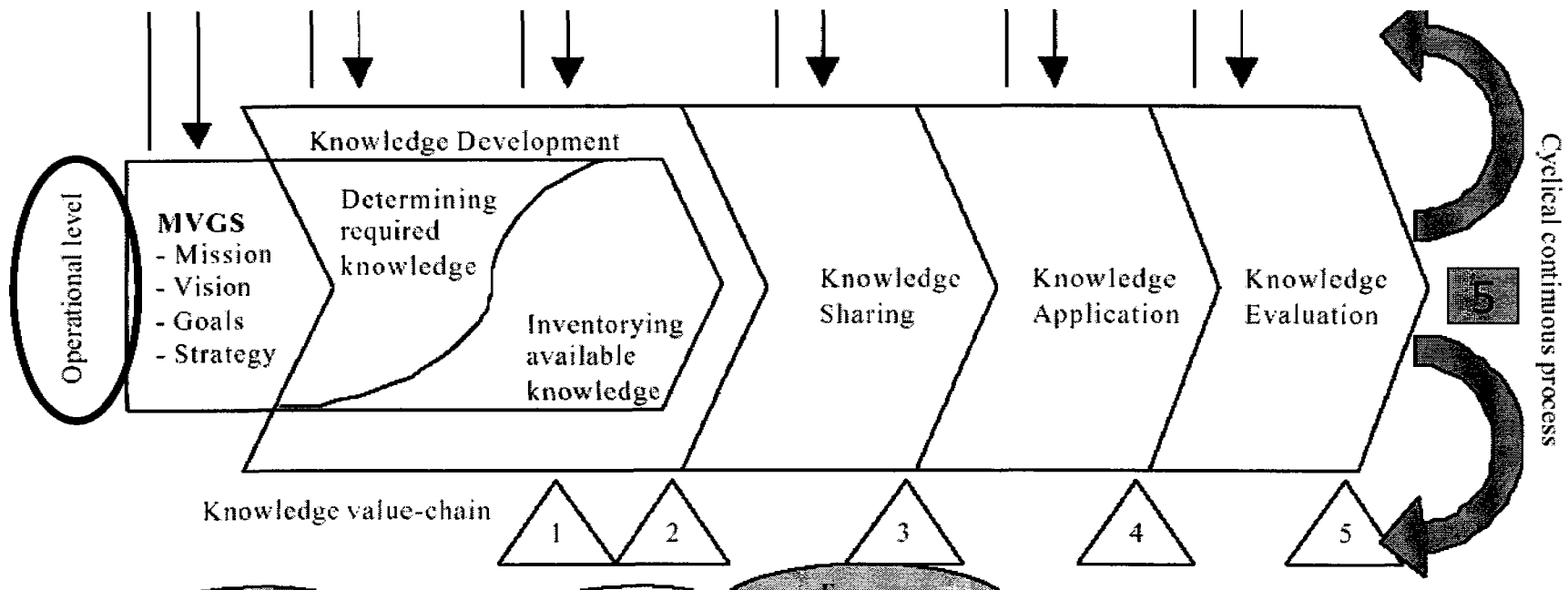
Context: Strategic level



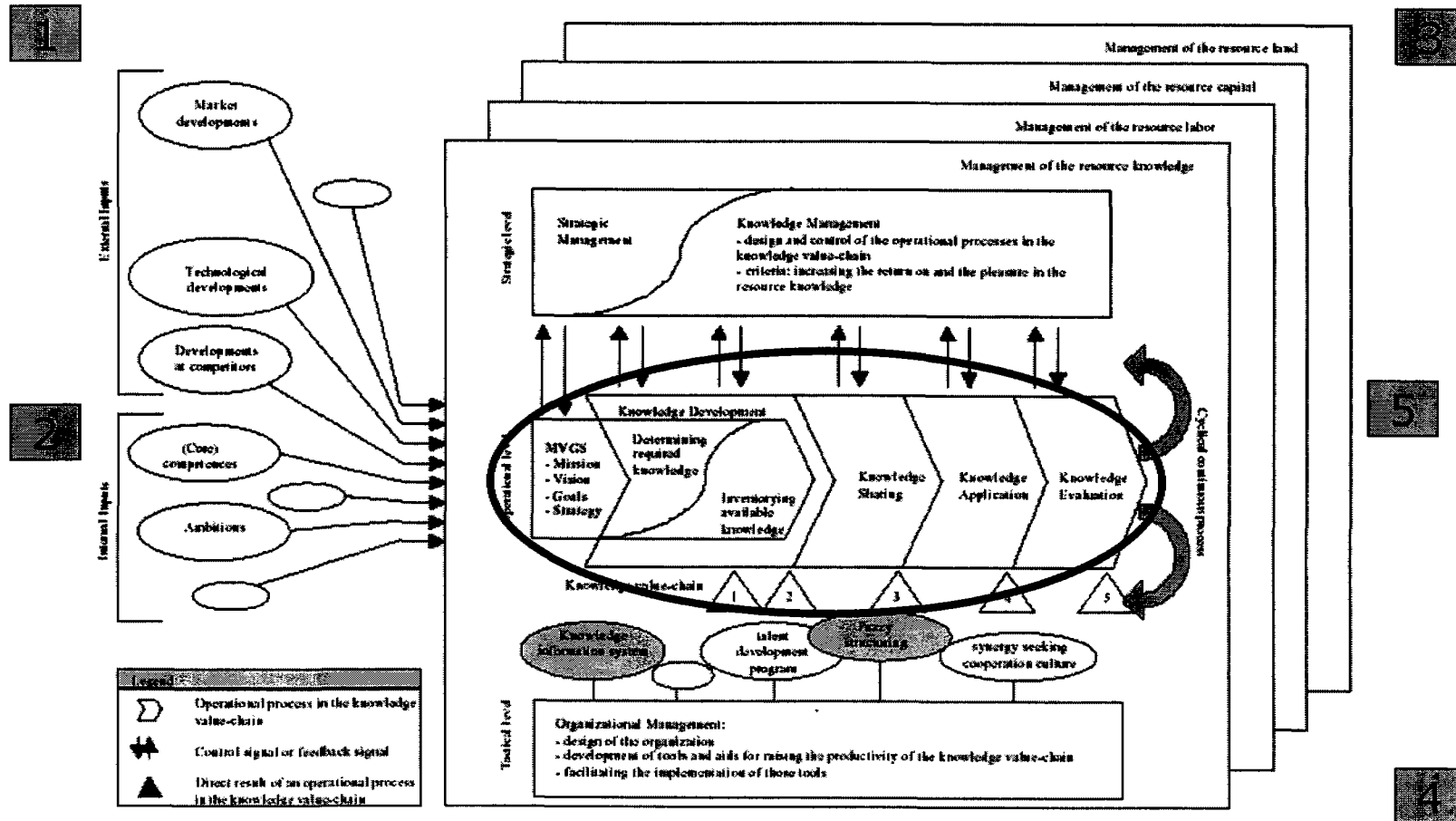
Context: Tactical level



Context: Operational level



KVC in organizational context



And another 'tile'-wisdom..

“The basic economic resource is no longer capital, nor natural resources, nor labor. It is and will be knowledge.”

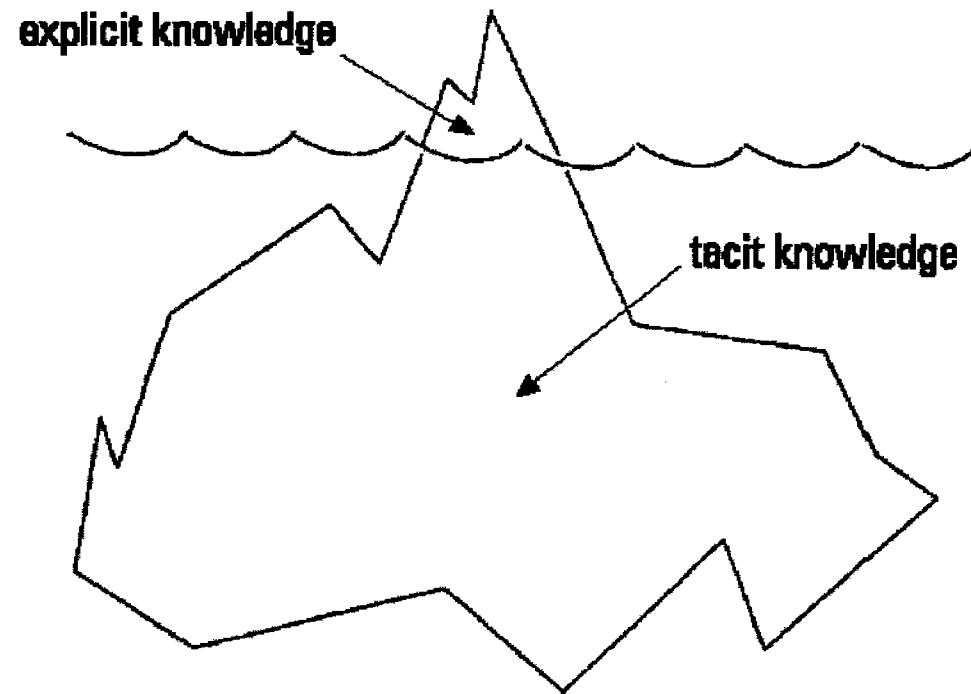
Peter Drucker

M. Huysman VU Amsterdam 2002

	1st generation	2nd generation
What knowledge is shared?	codified	Tacit and codified
How is knowledge shared?	Use of ICT to capture knowledge	Use of networks
Why is knowledge shared?	Because of managerial need to share knowledge	To accomplish collective mission
When is knowledge sharing managed?	When managers want to do so	When individuals want to do so
Where is knowledge shared?	Operational level	Organisation-wide
Who's knowledge is managed?	Individual: human capital	Collective: social capital

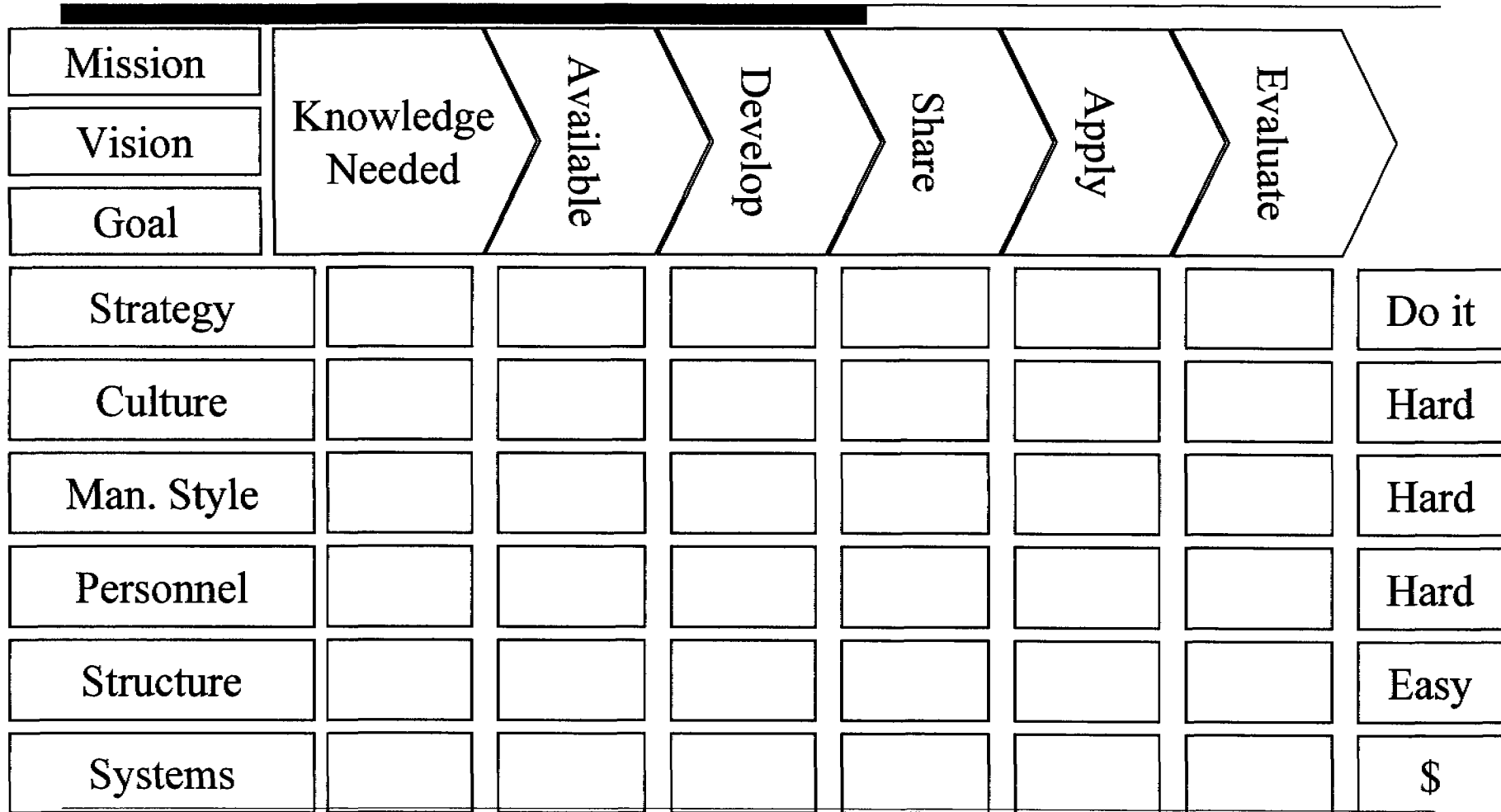
Knowledge Value Chain

The Model

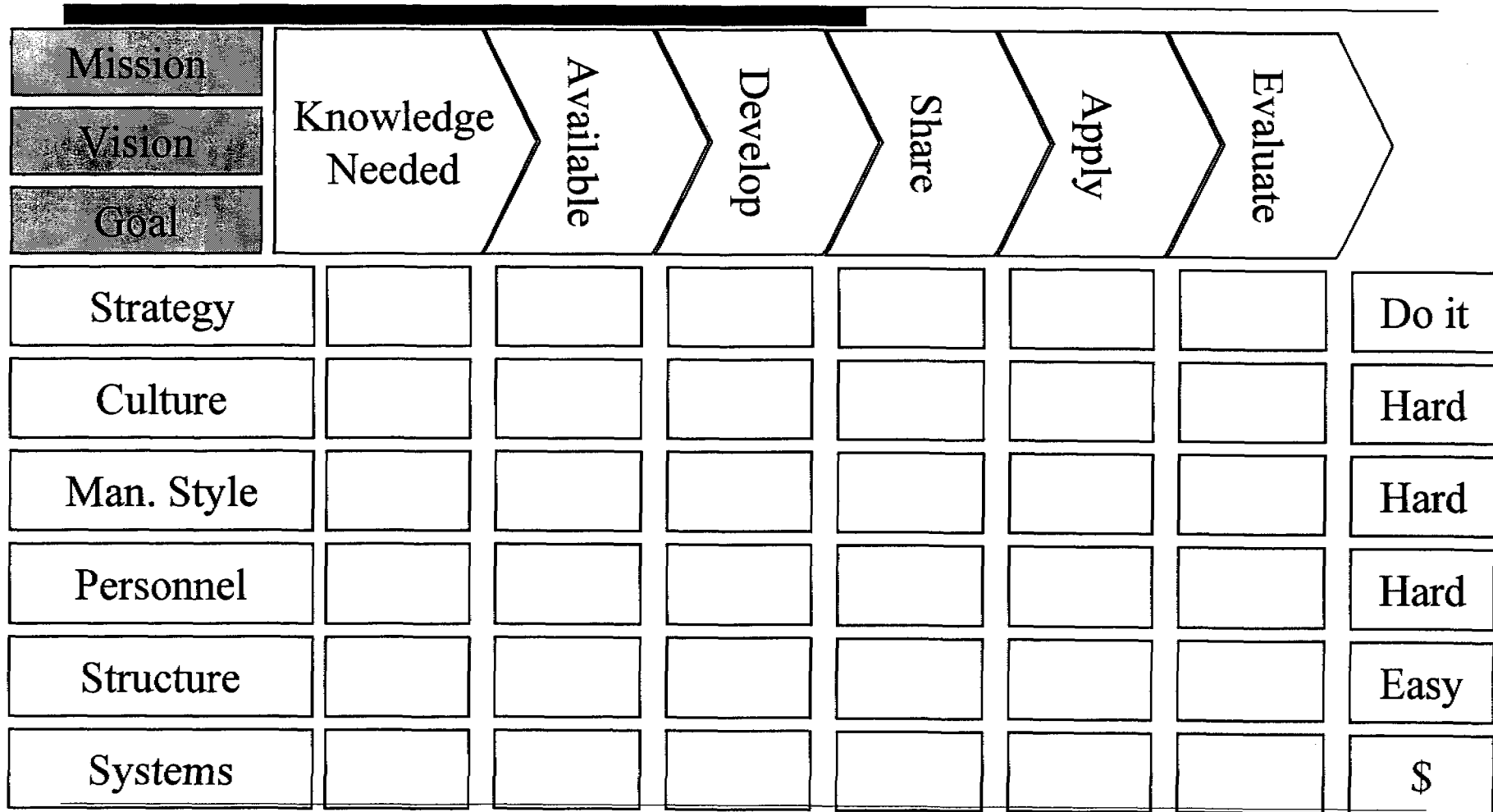


Knowledge Value Chain (KVC)

The model



KVC Mission, Vision and Goal (s)



KVC Mission, Vision and Goal (s)

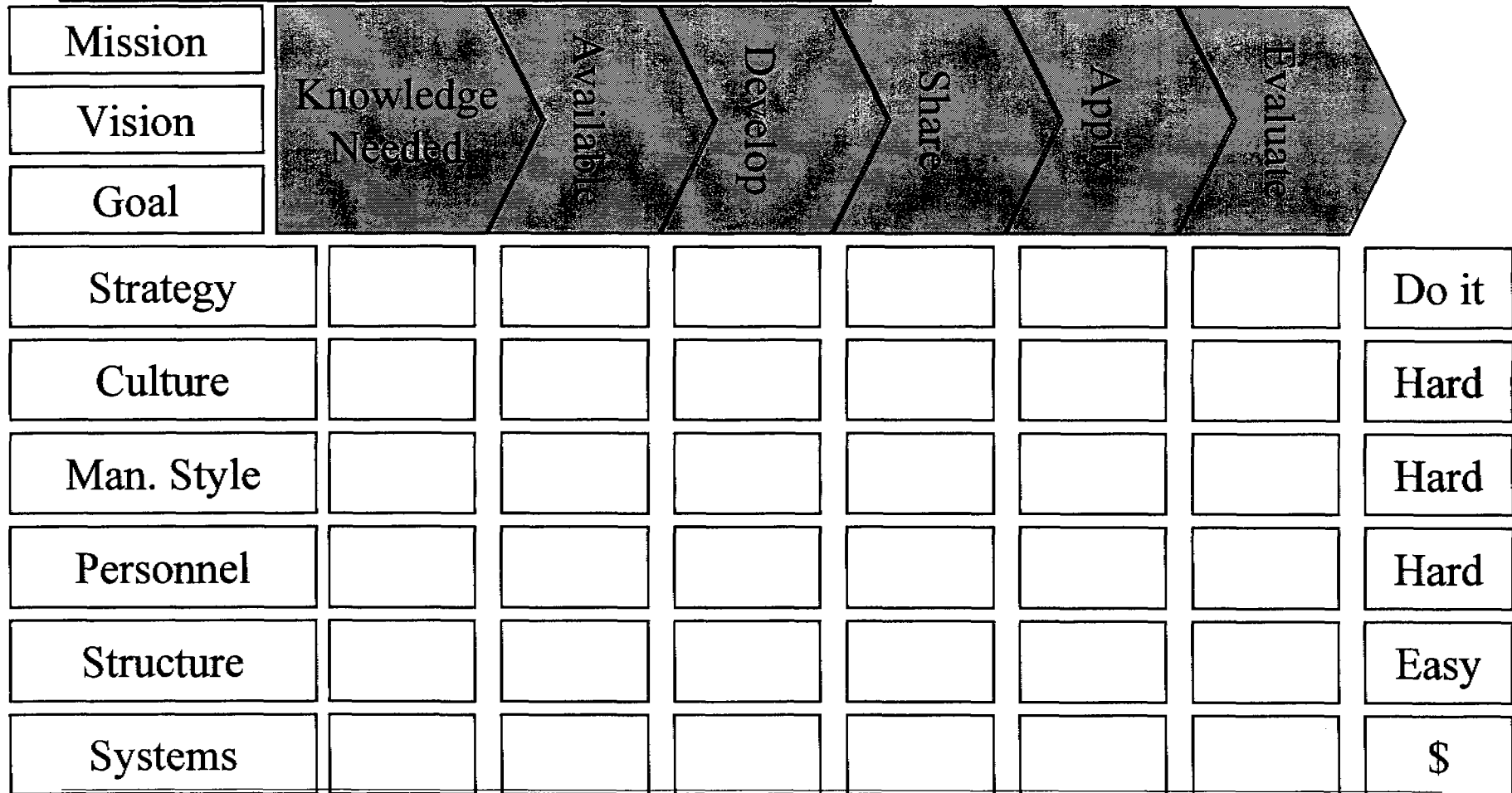
- Mission: raison d'être
 - Vision: long term perspective
- } Collective ambition
-
- Goal (s): measurable result (s)
 - Strategy: action plan for a goal
- } Policy
-
- Mission driven => collective ambition
 - \$ Money driven => goal + strategy = enough

KVC Mission, Vision and Goal (s)

- Mission, vision, goals and strategy of an organization drive the knowledge value chain.

Value chain: the further knowledge is held in the chain, the more value it has for the organization.

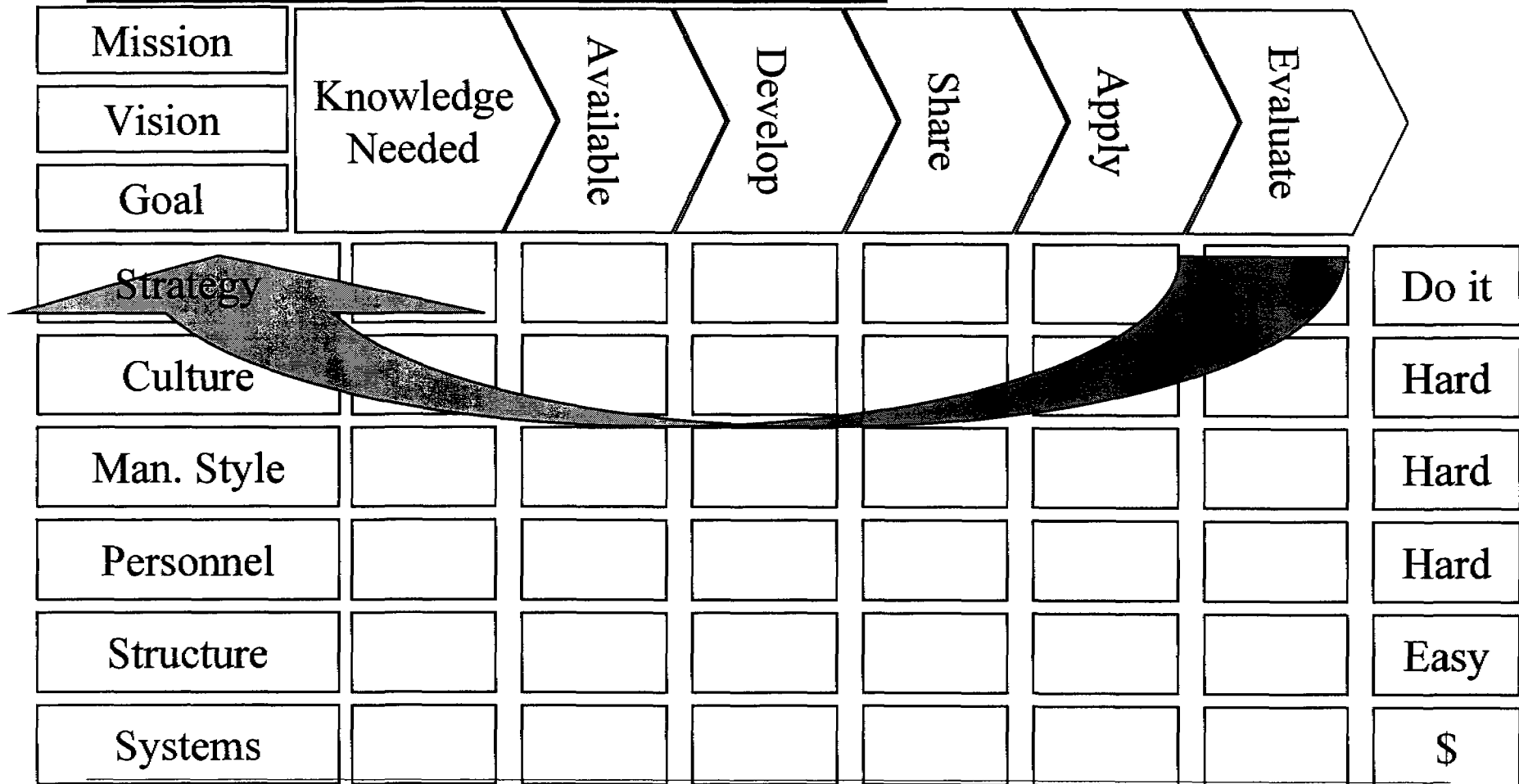
KVC Description chain



KVC Description

- Operational knowledge process:
 1. Determining the **needed** knowledge
(based on the organization's strategy)
 2. Determining the **available** knowledge
 3. **Developing** the missing knowledge
 4. **Sharing** the developed knowledge with the employees
(who need the knowledge to perform their job well)
 5. **Using** the shared knowledge
(most important process)
 6. **Evaluating** the previous knowledge processes

KVC Close the loop



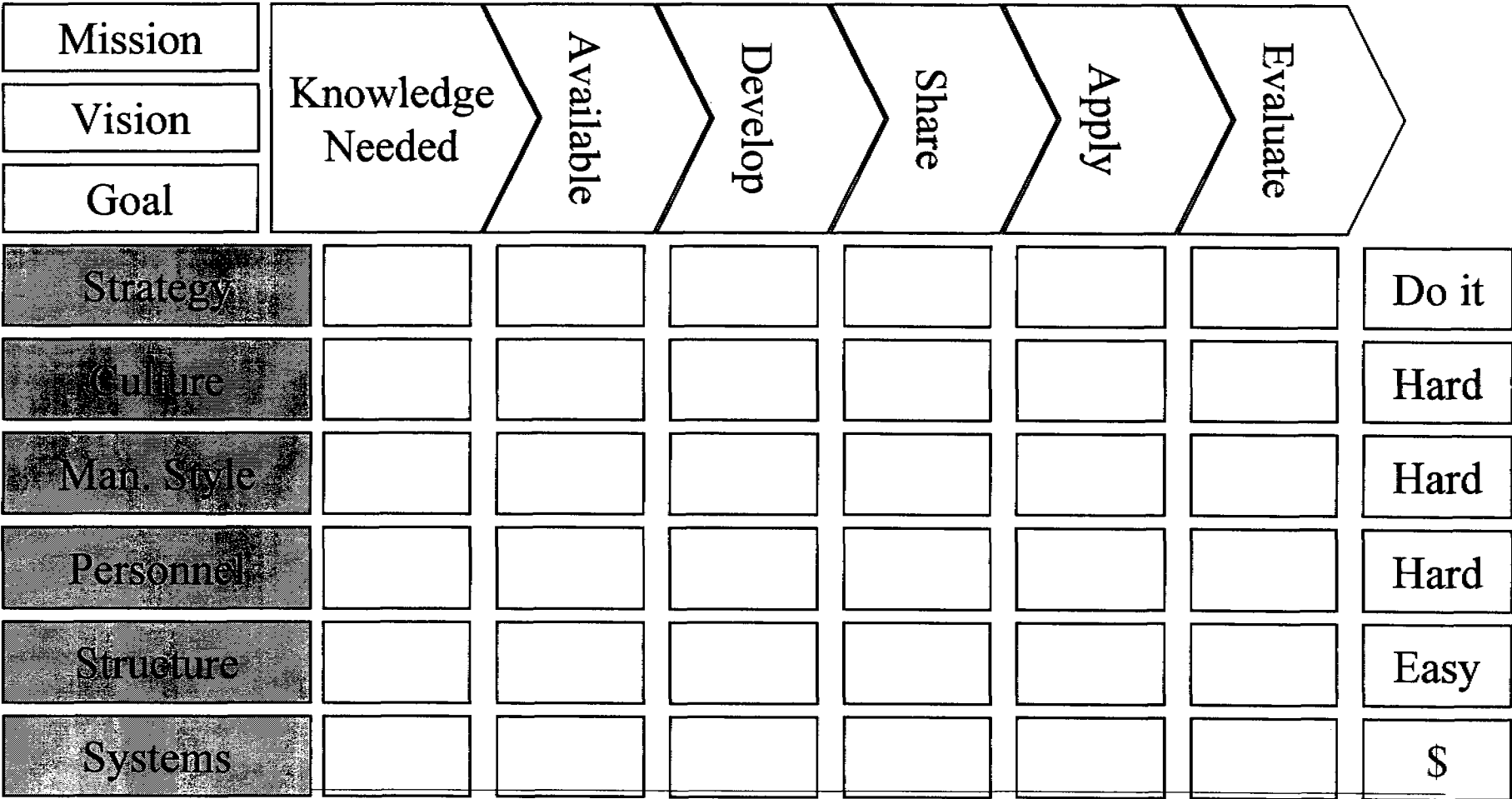
KVC Close the loop

- After evaluation (re) define core competences and or goal (s) of the organisation. This could imply change in strategy, knowledge needed etc.

This cyclic process of knowledge creation and exploitation keeps going round.

Double loop learning, continuous improvement

Organisational Design Variables

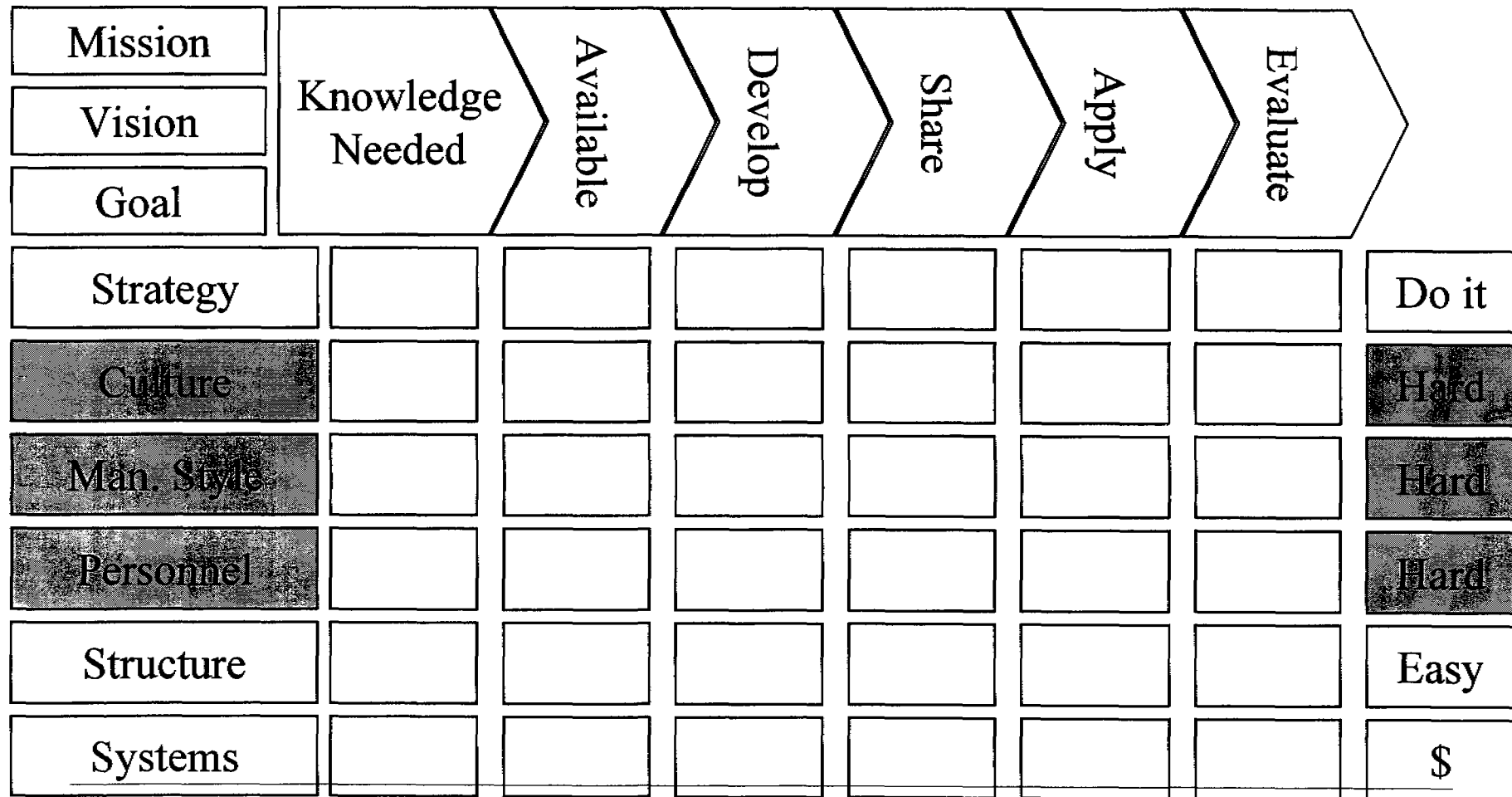


Organisational Design Variables

- What must be our strategy?
- How should our organisational culture look like?
- Which management style do we practice?
- What competence need our personnel and what behavioural patterns do we want?
- What roles and responsibilities do we want?
- Which technical systems do we install?

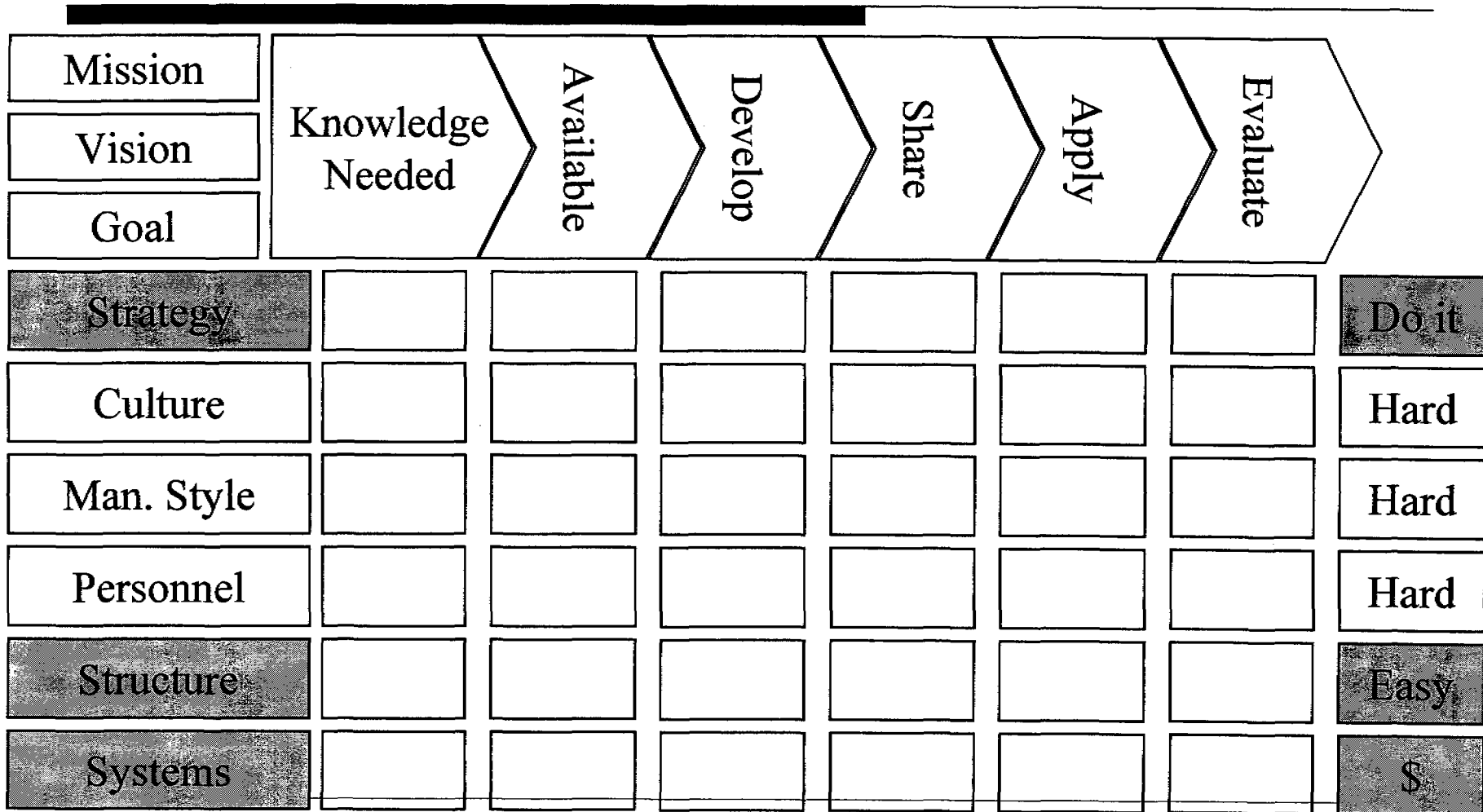
Organisational Design Variables

'Hard' to change



Organisational Design Variables

'Easy' to change



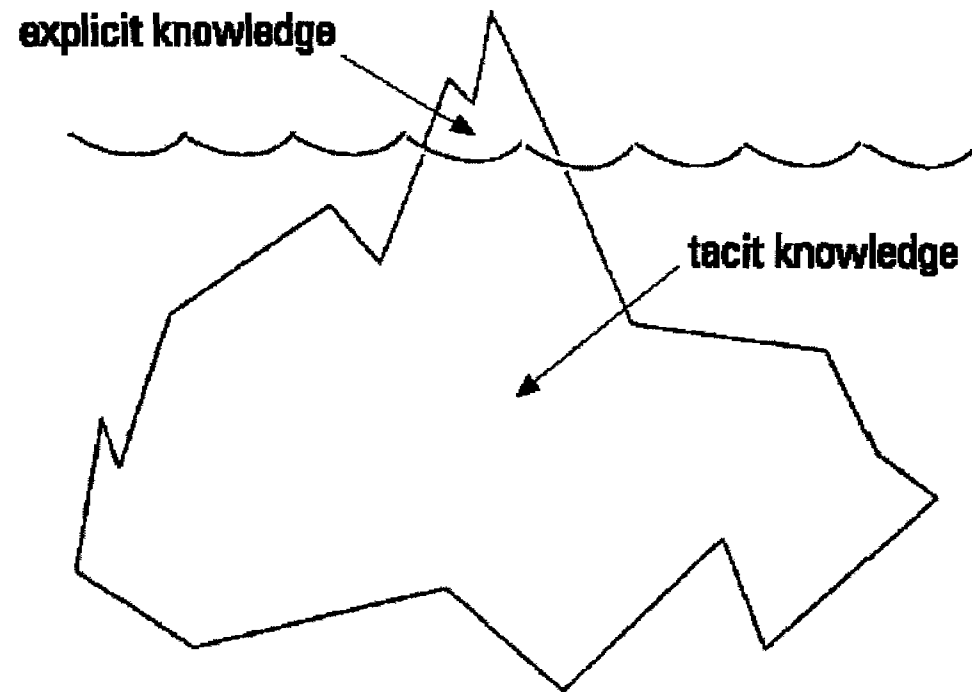
Organisational Design Variables

General

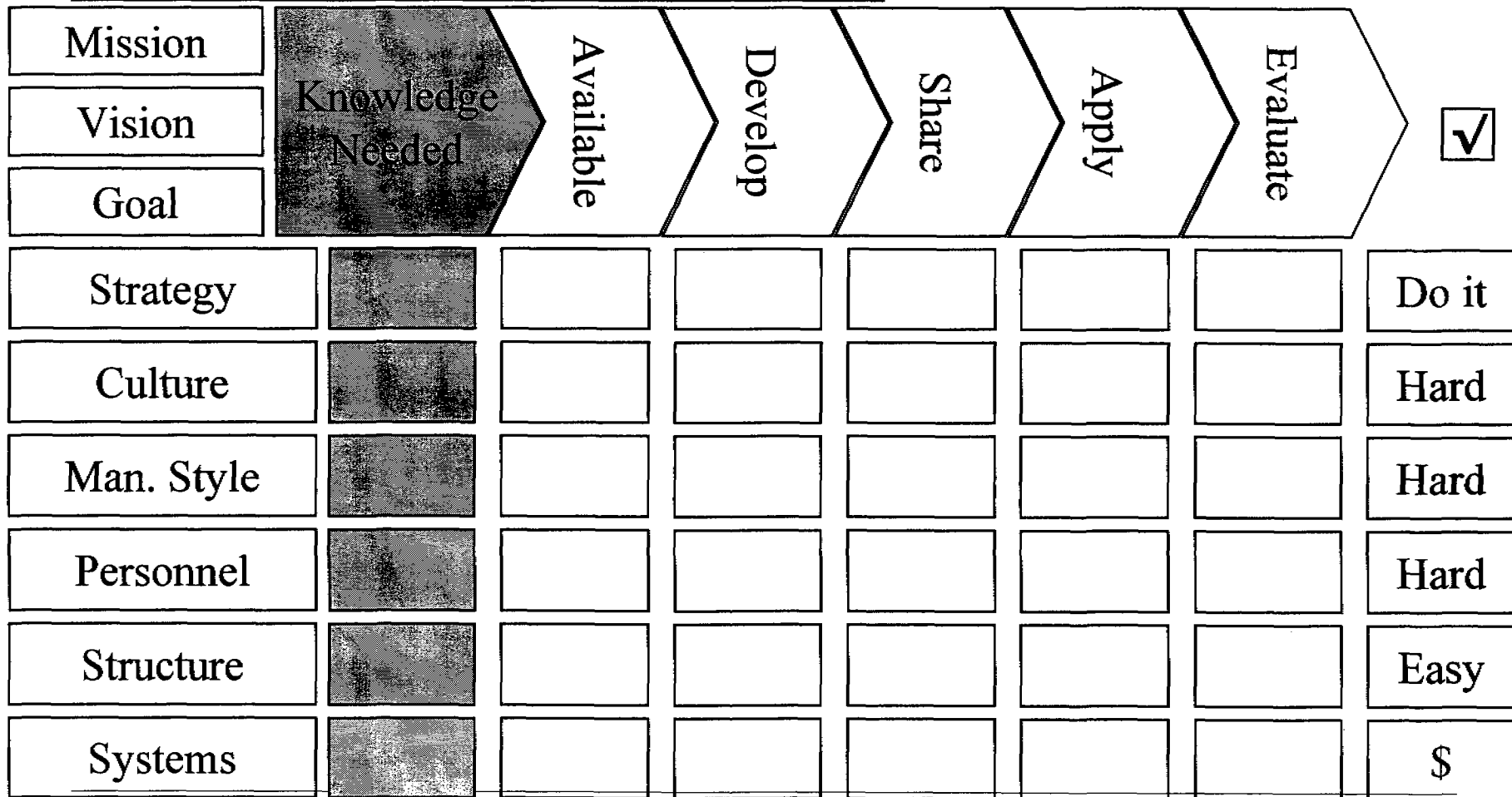
- 'Easy' = direct to influence
 - Buy, try, implement or agree upon
- 'Hard' = indirect to influence
 - behavior, style, skills, experience, attitude

- Change behavior => change culture
- Management course in man. style
- Train personnel or rotate jobs

KVC by column and 'Harvard style'



KVC Knowledge Needed



KVC Knowledge Needed

✓

- Given strategy we need:
 - Which information
 - Which (technological)
 - Which skills, attitude, style

 - Use brainstorm / scenario's /interview
 - Anticipate technical, political, sociological, cultural developments

- RCD / SoK Needs assessment?

KVC Needed / Strategy

✓

□ Dataware Technologies:

- 7 steps: business case, organization change, team, audit, core issues, instruments and people

□ ING: competence management

KVC Needed / Culture

✓

□ ?:

- Discuss with sharecroppers (clients of clients), stakeholders (clients), stockholders (DGIS?) and opinion holders (other NGO's etc)

KVC Needed / Man. Style

✓

□ IRC:

- Program management
- Bottom up business plan

KVC Needed / Personnel

✓

KPN Research:

- Competence profile, s / w staff, personal development plan, develop and coaching

Baan: (also systems)

- 100 competences on knowledge, skills and human skills
match against function profile

KVC Needed / Structure

✓

□ Pink Elephant:

- From HRM dep. Pilot; update skills list, take part in various projects

□ KPMG:

- matrix partner, manager, consultant and trainee versus market, people and result orientation and professionalism

KVC Needed / Systems

✓

□ Mercedes Benz:

- Knowledge map organization and staff based on competence maturity level

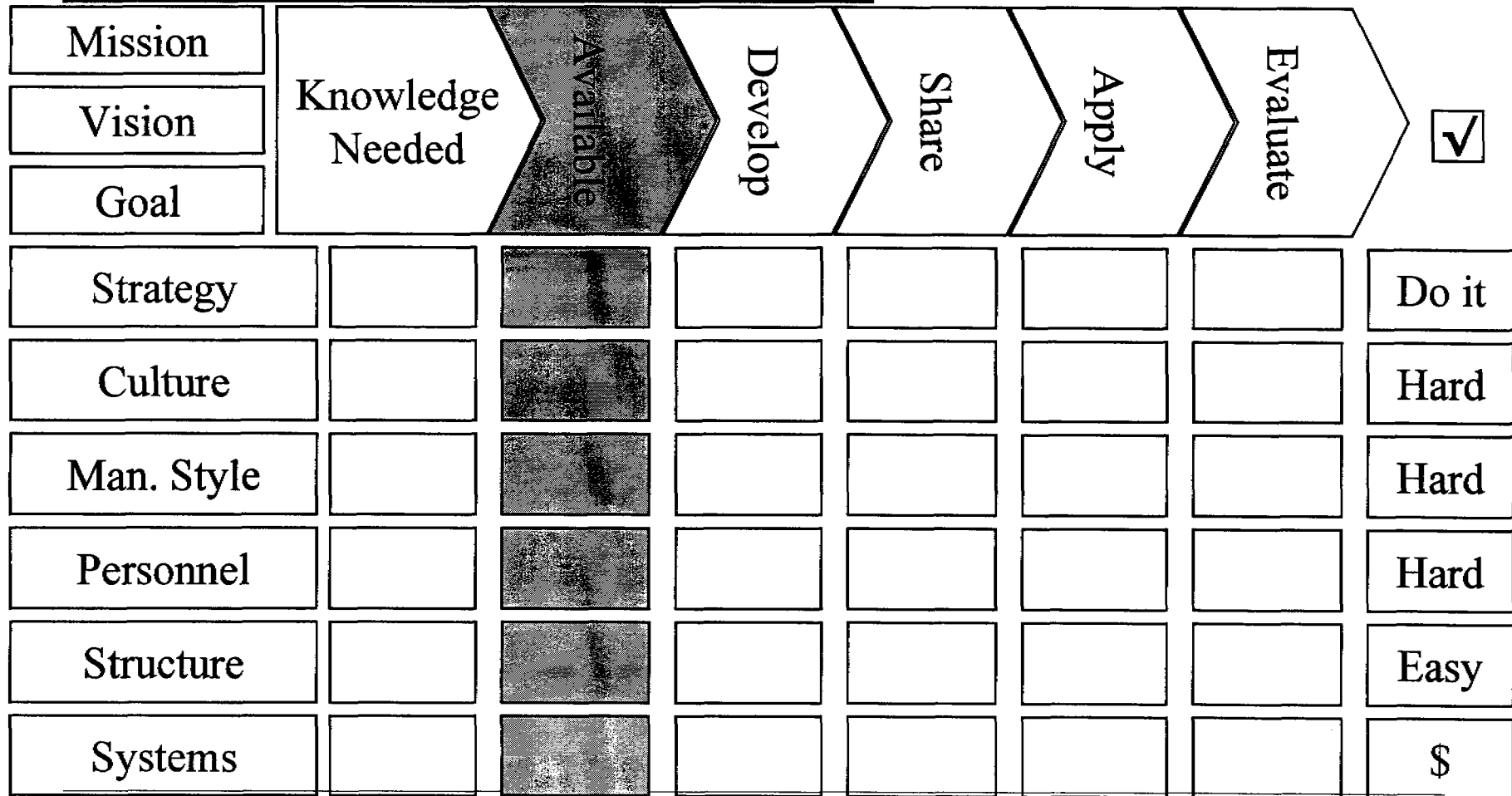
□ Ericsson: (also Personnel)

- 3 knowledge domains: technical, social (= management) and business

□ Fortis: (also Personnel)

- Function / personal profile => PDPlan

KVC Knowledge Available



KVC Knowledge Available

✓

- Make knowledge-in-use explicit
 - In organisation / colleague / heads
 - In network / peers / partners / CoP's
 - Digital mailing lists / WWW / Weblog
 - Hard copy library / drawers
- Are we (un) conscious (un) competent?
 - 'We have a couple very good people in R&D'
 - 'Our marketing-K is up-to-standard'

KVC Available / Strategy

✓

- Engineering bureau:
 - Ask new / junior staff to lecture
- IRC: hire me

KVC Available / Culture

✓

□ IRC:

- Communication meetings
- Brainstorm over coffee

KVC Available / Man. Style

✓

□ DAF:

- Active look for the 'knowledge carriers' in your organization

KVC Available / Personnel

✓

Roccade Finance:

- Knowledge bank to add / update your knowledge profile with training vouchers as incentive

NS:

- 'Workshop' expert / novice to make tacit knowledge explicit (novice took notes)

KVC Available / Structure

√

□ T&G:

- Best practices, bureau Lessons Learned, yearly scan on quantity, quality and up-to-date-ness

KVC Available / Systems

√

Everest:

- CRM, HRM, project and hour system
- Discussion forum on intranet

KVC Develop Knowledge

	Knowledge Needed	Available	Develop	Share	Apply	Evaluate	
Mission							✓
Vision							
Goal							
Strategy							Do it
Culture							Hard
Man. Style							Hard
Personnel							Hard
Structure							Easy
Systems							\$

KVC Develop Knowledge

√

□ Needs -/- Available = gap

- Develop in house
- Buy knowledge / people
- Outsource
- Get from conference / congress / study
- Partner: third party, clients, competitor

□ Look for ROI, ROI⁺ and USP

ROI = Return on Investment, + ROI spin off, USP = Unique Selling Point

KVC Develop / Strategy

✓

BP Amoco / US Army: MAR

- Minutes Action Review as part of the cycle move, stop, reflect, learn, move ..

- What had to happen?

- What happened?

- What's the difference? (NOT why!)

- What have we learned?

Chevron:

- Learning organization replaces TQM

KVC Develop / Culture

✓

□ Boston Beer Company:

- Staff was encouraged to go into bars and talk to public on the products....

KVC Develop / Man. Style

✓

□ 3M:

- 'Thou shalt not kill a new product idea'
- No 'area of business' constraint
- Top down encouragement

KVC Develop / Personnel

✓

□ Sollac:

- Salary based on experience and skills and contribution to innovation and improvement (no need to become a manager for more €€'s)

KVC Develop / Structure

✓

Toyota:

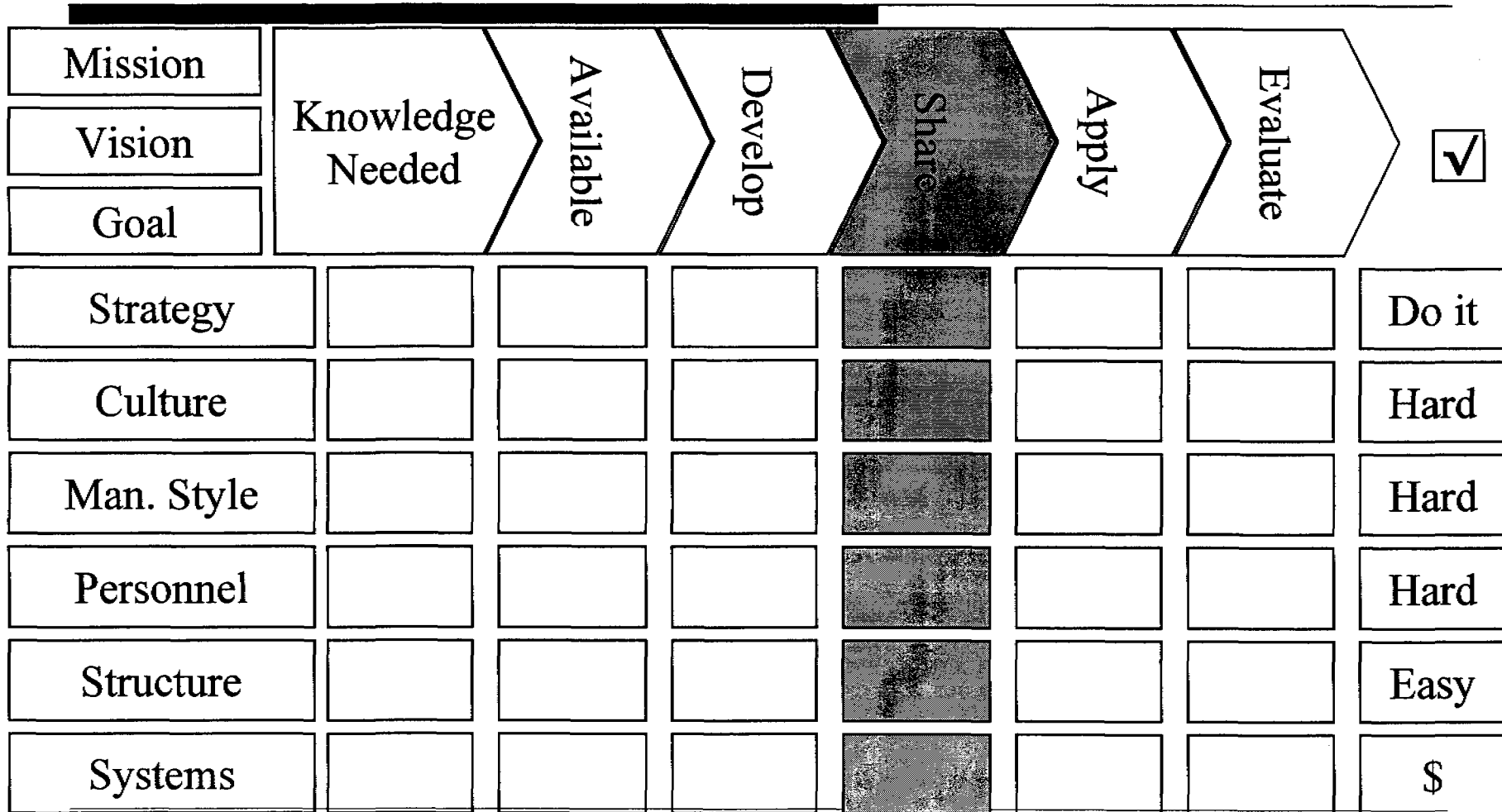
- functional organized innovation process
 - Mutual adjustment
 - Close supervision
 - Integrative leadership
 - Job rotation
 - Design standards

KVC Develop / Systems

✓

□ KPN: IT supported idea box

KVC Share Knowledge



KVC Share Knowledge

√

- Community of Practise (CoP)
- Intra- / Extra- / Internet (website)
- Yellow pages
- Happy hour
- Communication meeting

- Knowledge sharing (KS) is subset KM

KVC Share Knowledge

Hurdles from the source

✓

- The source is not motivated to share
 - Power, position, time, priority
- Source thinks that the gap between source and receiver is too big
- Source thinks s/he's no expert
- Source doubts interest receiver
- Source has no respect for receiver

KVC Share Knowledge

Hurdles from the receiver

✓

- Receiver is not motivated to learn
- Receiver thinks gap is too big
- Receiver doubts the source
- Receiver has no respect for source

KVC Share Knowledge

Hurdles other

✓

-
- Hobby-ism / too much money
 - Relation with strategy weak
 - Developed knowledge does not match output specifications
 - Knowledge is out of date / too late
 - Users out of absorption capacity
-
- Share \neq Apply : To know \neq To be able

KVC Share / Strategy

✓

- Netscape 1997: source code open
 - Resulting in tips / bug-fix from users
- MIT 2002: all material on the web
- WB: Storytelling

KVC Share / Culture

√

- HP: every section its own intranet
Company breaks, drinks etc
- Shell: publish scenario's (Tina: there is no alternative etc)

KVC Share / Man. Style

✓

□ Unilever:

- Friday afternoon session on immediate results
- Stimulate participation in CoP's
- Start CoP as standard practice

KVC Share / Personnel

✓

□ IRC:

- send people instead of paper
- JPO / SPO programs

KVC Share / Structure

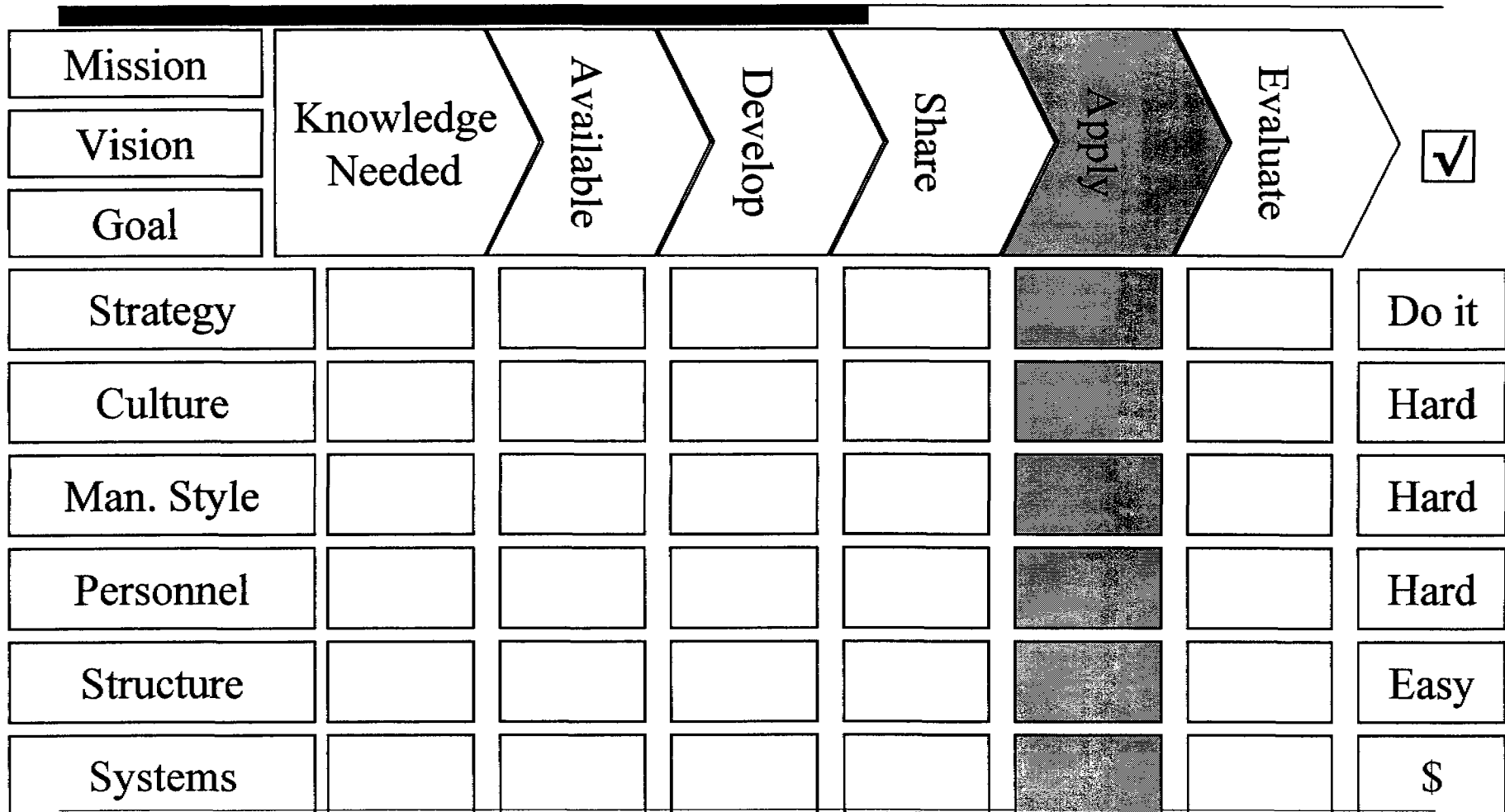
√

- Aegon: virtual university
- IHE: alumni day
- Ameron: open drawer in the hallway
- Oticon: no jobs only project teams
- Robeco:
 - RoCK (RobecO Centre of Knowledge)

□ This you can all come up with yourself...

(and you did and that's part of the IRC problem)

KVC Knowledge Apply



KVC Knowledge Apply

✓

- Capitalize on information + experience + skills + attitude to perform tasks
- Tasks are in line with collective ambition of the organization
- Hopefully learning takes place

KVC Apply / Strategy

✓

- KPN: BU 'Neue Kombinationen'
- CB: appoint a manager indirect distribution

KVC Apply / Culture

✓

- Kao: all meetings are open, all change projects headed by interdisciplinary and interdivision teams
- AES: yearly shared values survey

KVC Apply / Man. Style

✓

- BP: 'Thief of the Year' award
- TI: 'Not invented here, but I did it anyway' award
- Shell: reward early adaptors
- CB: Kill legacy systems / outsource (close) library

KVC Apply / Personnel

✓

□ E-mail rules:

- Do not read any c.c. e-mail
- Delegate reply without notifying sender
- 72 hour age e-mail => low priority
- No reply within 96 hour => discard

KVC Apply / Structure

√

□ Nokia:

- On top of formal structure CoP, interest group and process team, sponsored by board member

□ DAS:

- Shared files, call centre, front and back office

KVC Apply / Systems

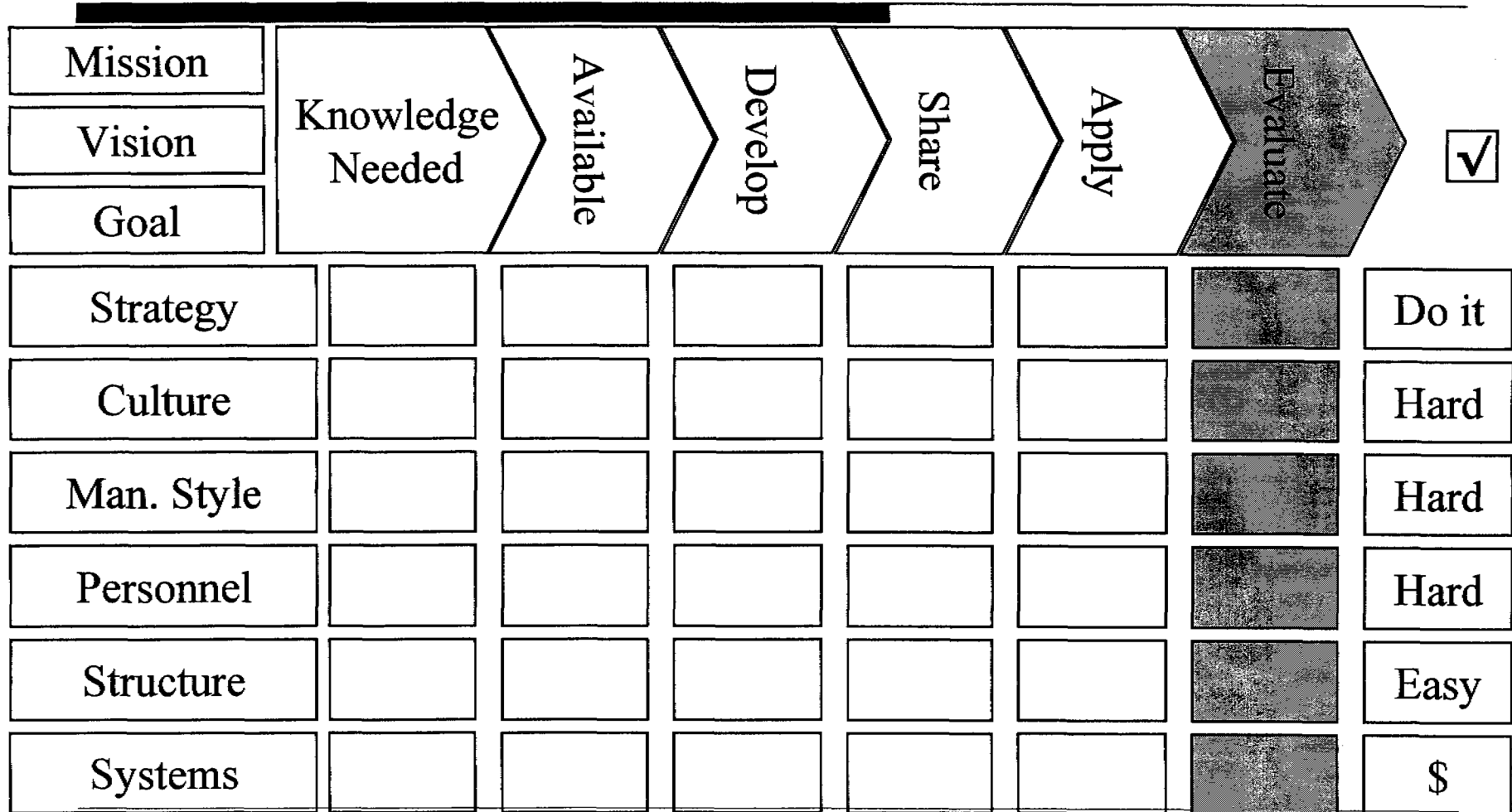
✓

□ Min SoZa:

■ ExpertiSZe with legal rules...

□ Ventana: group decision support

KVC Evaluate Knowledge



KVC Evaluate Knowledge

✓

- Prepare for the next loop
 - Redefine (core) competence
 - Gather input for SWOT
- Technique like AAR (after action review)
- Explore side steps
- Stimulate bottom up input

KVC Evaluate / Strategy

✓

Schiphol:

- Operate airport => 1985 Schiphol Airport Consultancy

Monsanto: sell chemical division

KVC Evaluate / Culture

✓

Construction bureau:

- Every Friday closed project review
- Every last Friday of the month: failures

KVC Evaluate / Man. Style

✓

□ ?

KVC Evaluate / Personnel

✓

- Baan: locate bottlenecks in KWK
 - On a regular bases and reason:
 - Priority
 - Time
 - No incentives
 - Not enough knowledge
 - Geographical distance
 - Training to early

KVC Evaluate / Structure

✓

Ford and BP

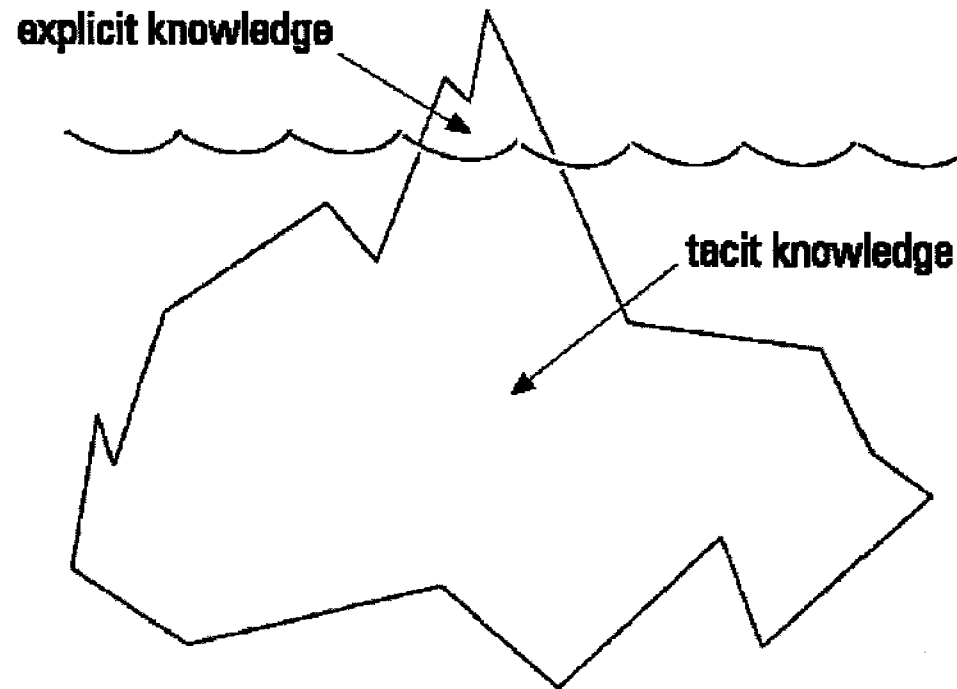
- Publish best practice + author
- Track implementation of best practices
- Improve best practices

KVC Evaluate / Systems

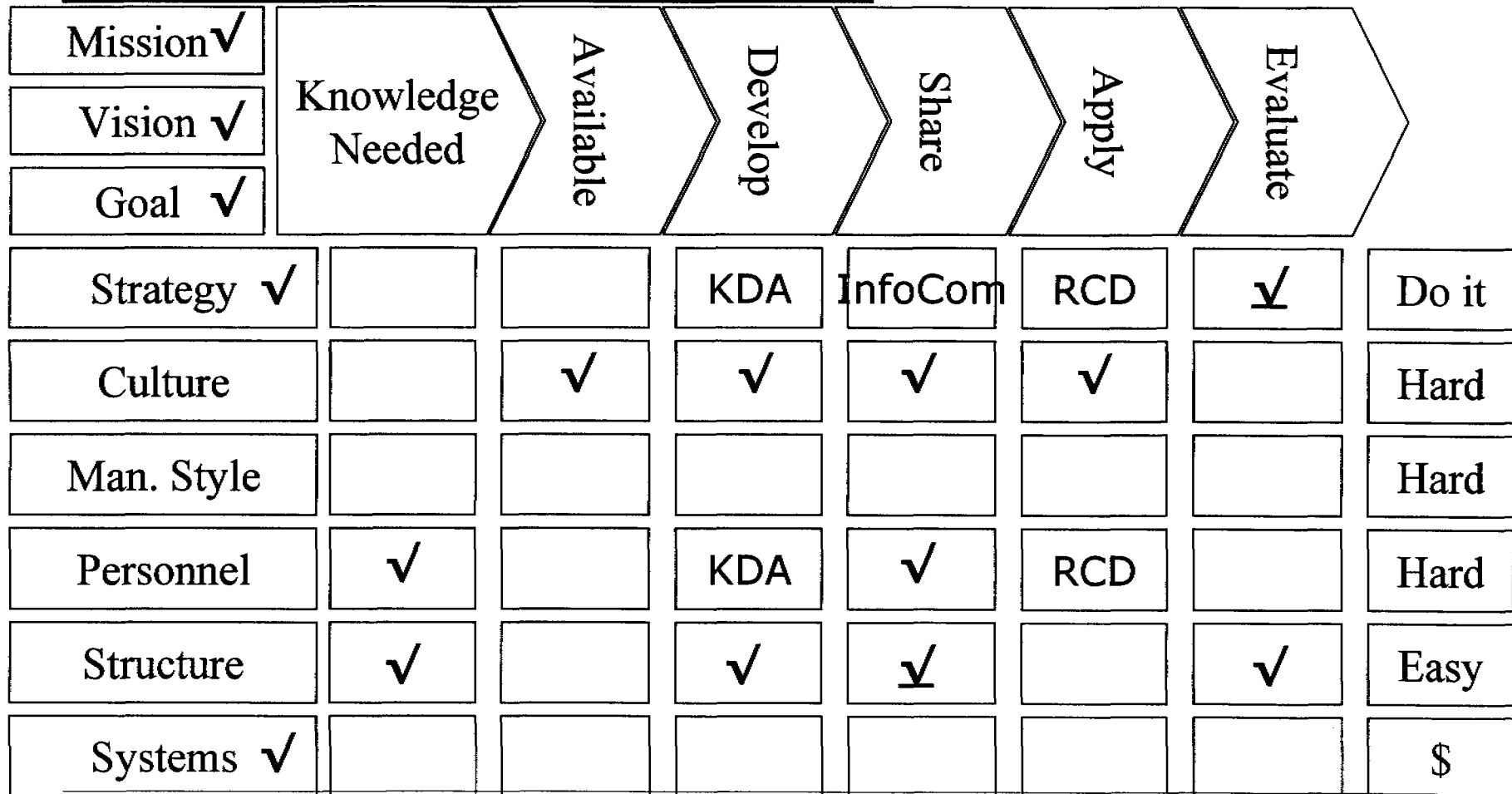
√

- TNO: human knowledge management
 - develop competence knowledge worker
- Construction bureau:
 - Every Friday closed project review
 - Every last Friday of the month: failures

Knowledge Value Chain IRC



Knowledge Value Chain IRC ✓



IRC Mission (statement 2002/3)

- IRC facilitates the sharing, **promotion** and use of knowledge so that **governments, professionals** and organizations can better support poor men, women and children in developing countries to obtain water and sanitation services they will use **and maintain**.

- IRC facilitates the **creation**, sharing, and use of knowledge so that **sector staff** and organizations can better support poor men, women, and children in developing countries to obtain water and sanitation services they will use and **can sustain**.

IRC Vision

✓

- IRC's **vision** is that all people have a right to equitable access to adequate and sustainable water and sanitation facilities for which all stakeholders, including the users, take their agreed share of responsibility.

[IRC *Meeting the Future* Business Plan for 2002 – 2006, Delft, 25 September 2001]

IRC Goal(s)

✓

- To provide improved access to and promote the use of knowledge among sector institutions and other stakeholders.
- To build the capacity of resource centres for the WSS sector in developing countries. A strategy to incrementally increase the number of resource centres will be implemented, along with the activities through which their capacities will be strengthened.

IRC Strategy

√

- This will be achieved through strengthening IRC's knowledge base, actions to make the base easily accessible to a wide range of stakeholders, the synthesis of knowledge on key issues, the dissemination of materials and the promotion of better knowledge use in developing countries.
- Using its web site, documentation, publications, IRC advocates change and aims to improve the information and knowledge base of the sector.

IRC Systems

√

- Client Relation Management (CRM)
- Content Management System (CMS)
- Question & Answer Service (Q&A)

- Strategy: small network, Office software, huge bandwidth, ASP solution

KVC Needed / Strategy IRC √

- From do-er to broker
- GEM
- Program management

KVC Needed / Culture IRC

✓

KVC Needed / Man. Style IRC \surd

KVC Needed / Personnel IRC (**DRAFT stolen from VM**)

√

- Competence in function description
 - Understands the knowledge delivery process. Continually evaluates knowledge needs for him/herself and uses relevant options effectively to obtain knowledge. Recognizes opportunities to share knowledge with others (passive). Knows about the options available to distribute knowledge and uses the relevant processes efficiently and effectively.
 - See above plus: Is actively aware of knowledge needs of others and shares knowledge in accordance to the identified needs. Applies knowledge to add value to the process and clients.
 - Evaluates, sources, controls and maintains the quality of knowledge and competencies in own area of expertise to meet the needs of the clients and enhance the learning process.
 - Develops, maintains and promotes the knowledge process -
- Train people to the job

KVC Needed / Structure IRC (**DRAFT stolen from VM**)

✓

- Based on the following 'knowledge process':
 - evaluating needs,
(identify 'knowledge to do what' question)
 - sourcing,
(either finding the knowledge or creating it)
 - controlling, (QA)
 - integrating,
(within total delivery structure / mechanism incl.
taxonomy; enabling people to find the knowledge)
 - distributing and
 - maintaining.

KVC Needed / Systems IRC \surd

KVC Available / Strategy IRC \surd

KVC Available / Culture IRC \surd

KVC Available / Man. Style IRG

KVC Available / Personnel IRC_v

KVC Available / Structure IRC \surd

KVC Available / Systems IRC \surd

Web-skills

KVC Develop / Strategy IRC \surd

KVC Develop / Culture IRC

√

KVC Develop / Man. Style IRC _v

KVC Develop / Personnel IRC √

KVC Develop / Structure IRC \surd

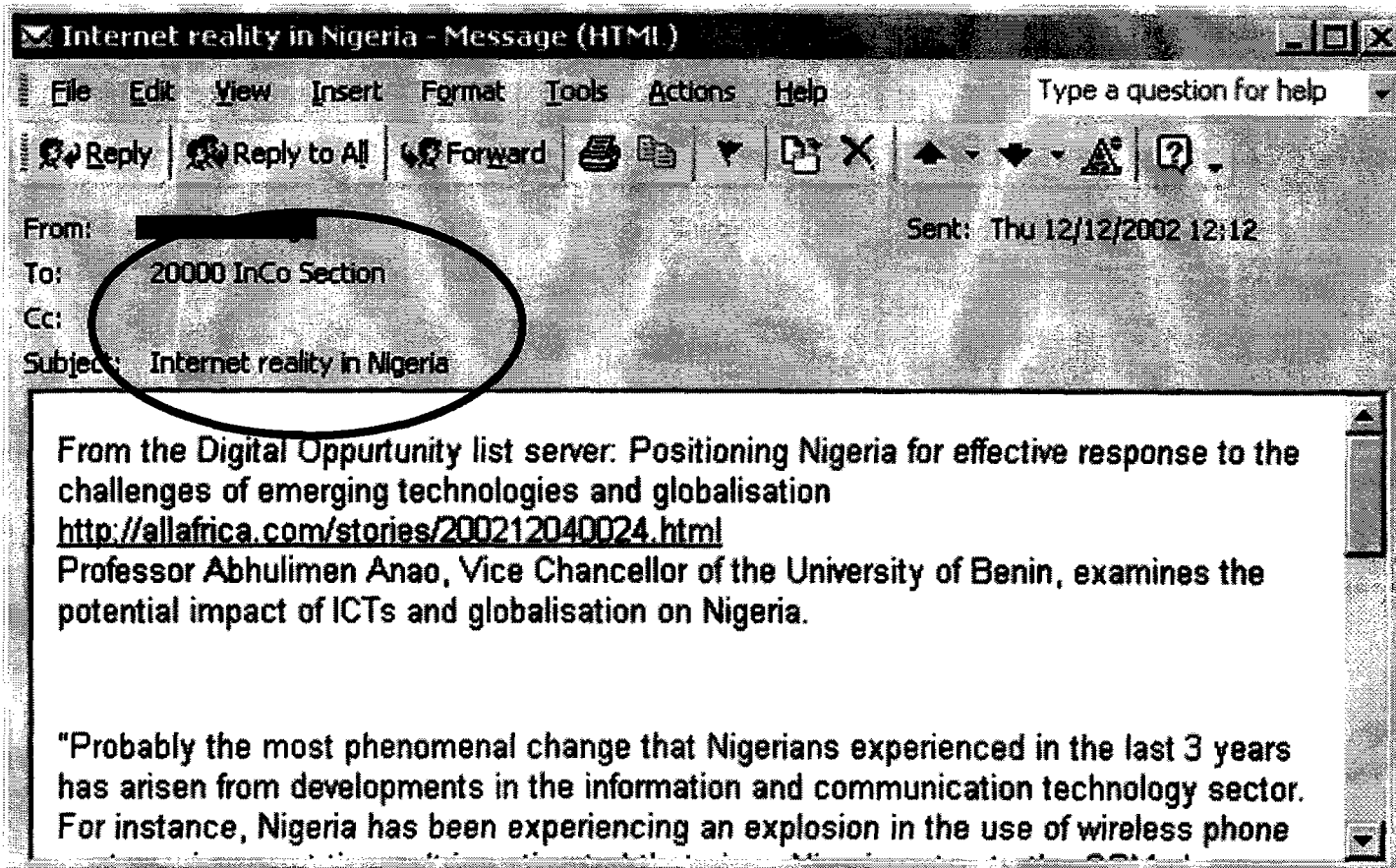
KVC Develop / Systems IRC \surd

KVC Share / Strategy IRC

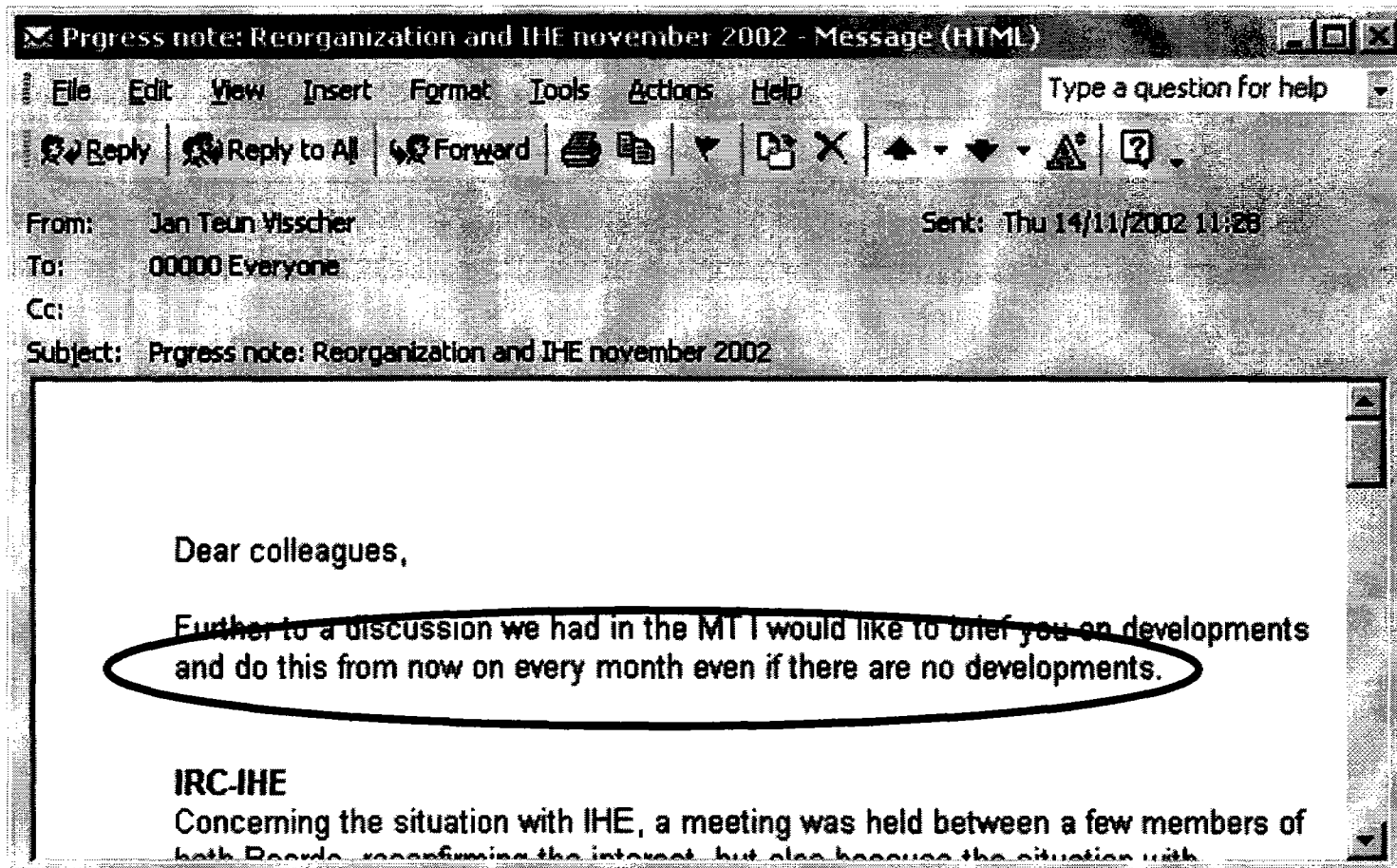
√

- Portal (E distribution channel)
- Publication distribution channel (s)

KVC Share / Culture IRC



KVC Share / Man. Style IRC ✓



KVC Share / Personnel IRC √

KVC Share / Structure IRC

✓

- Communication meeting
- Reports etc.
- Publication (s) (hard copy)

But (2002) ...

- Section meeting
- CRM / CMS / Q&A

KVC Share / Systems IRC

✓

- Intranet / Q-drive / IRC Doc
- Website / Source / InterWATER
- This you can all come up with yourself...

(and you did and that's part of the IRC problem)

KVC Apply / Strategy IRC

√

KVC Apply / Culture IRC

√

KVC Apply / Man. Style IRC \surd

KVC Apply / Personnel IRC

✓

KVC Apply / Structure IRC

√

KVC Apply / Systems IRC

√

KVC Evaluate / Strategy IRC \surd

- Has been done in 2001; 5 years funding
- Program management, GEM, bottom up 2003 year plan

KVC Evaluate / Culture IRC \surd

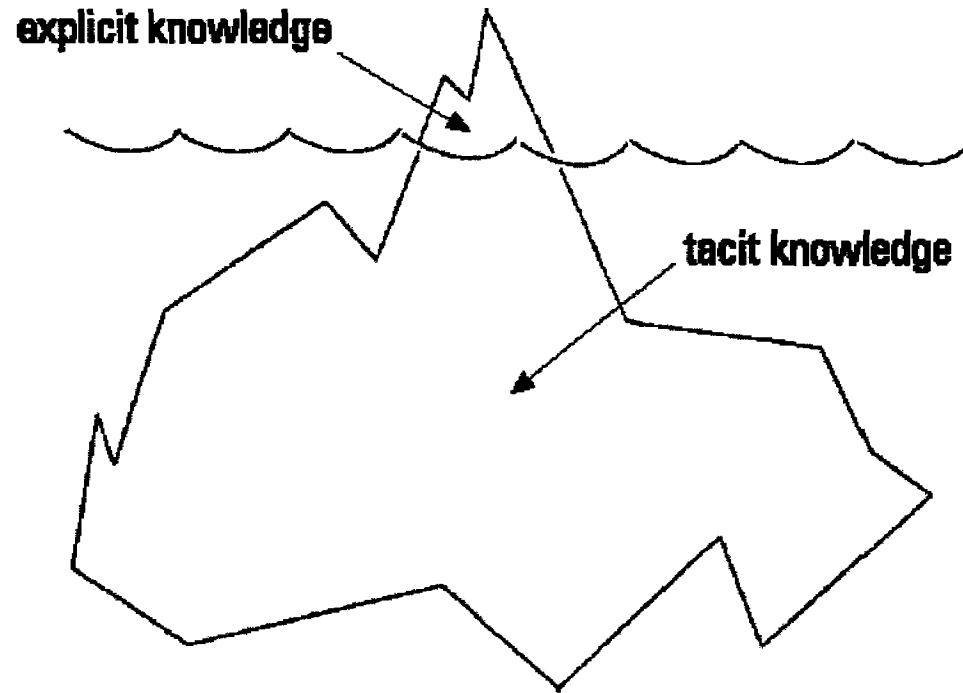
KVC Evaluate / Man. Style IRC_v

KVC Evaluate / Personnel IRC √

KVC Evaluate / Structure IRC \surd

KVC Evaluate / Systems IRC ✓

Loose ends and ... links to RCD



Knowledge Management

Loose ends and ... links to RCD

- What to pick-up for RCD
- How 'to become information broker'
- The model extended
- IRC and RC acting in network
- From E-now to E-2-B
- Model for a Resource Centre
- Who does Knowledge Management?
- Instruments to steal...

Knowledge Management

What to pick-up for RCD

- Use the model as a coat rack to get all the issues on the table (fractal)
- Strategic value of knowledge for RC
 - Next to \$ & HRM sustainability
- Collective ambition group of people
 - Forget about 'command & control'
- Role ICT enabling technology
 - from executing routine task to
 - from horsepower to horseracing

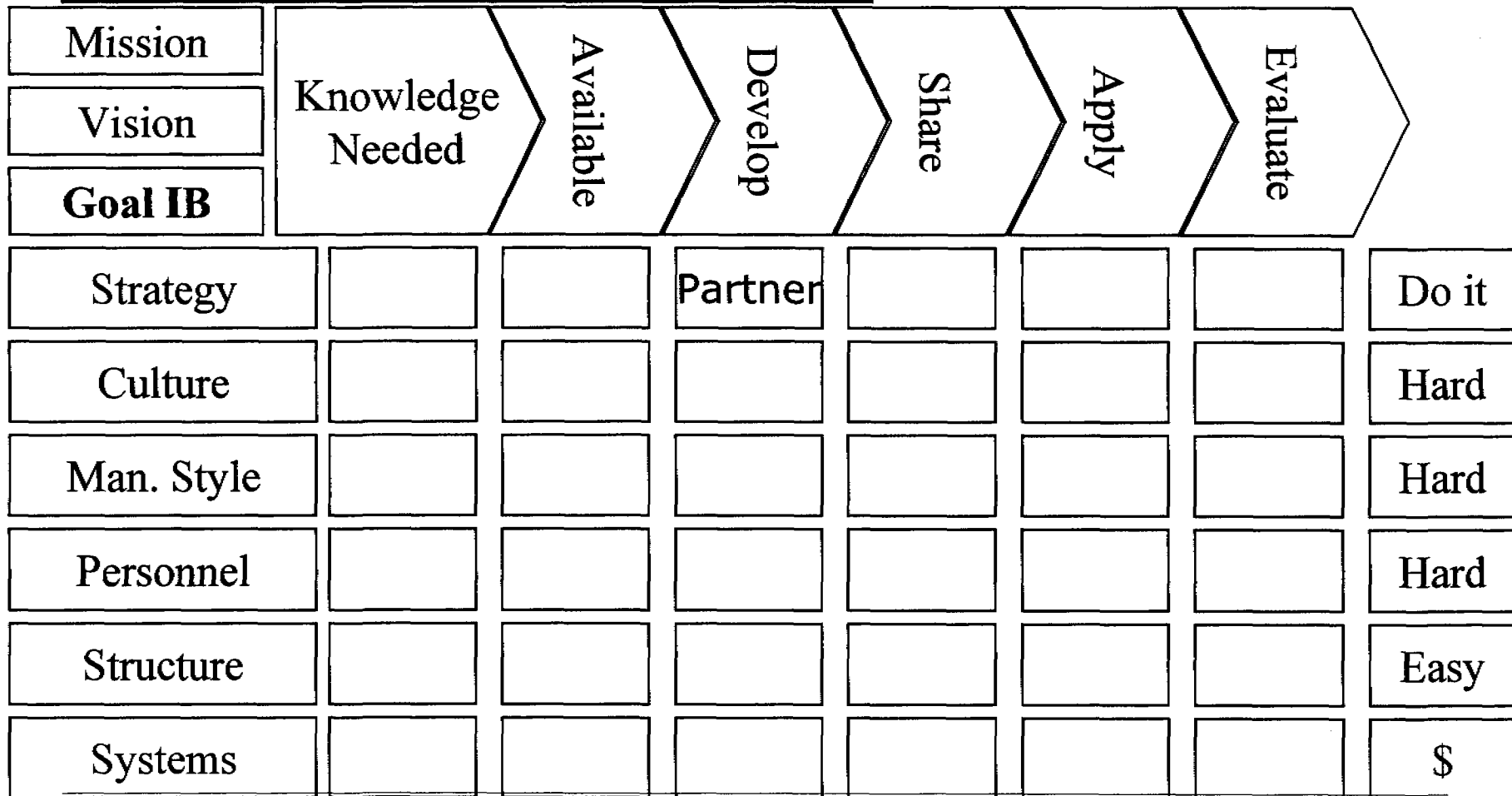
Knowledge Management

What to pick-up for RCD

- Goal KM is to make as much relevant knowledge explicit as possible
 - Heads -> accessible for others (power)
 - Individual -> organizational memory
- Object KM is people learning from each other
 - Organize learning process / environment (trust)

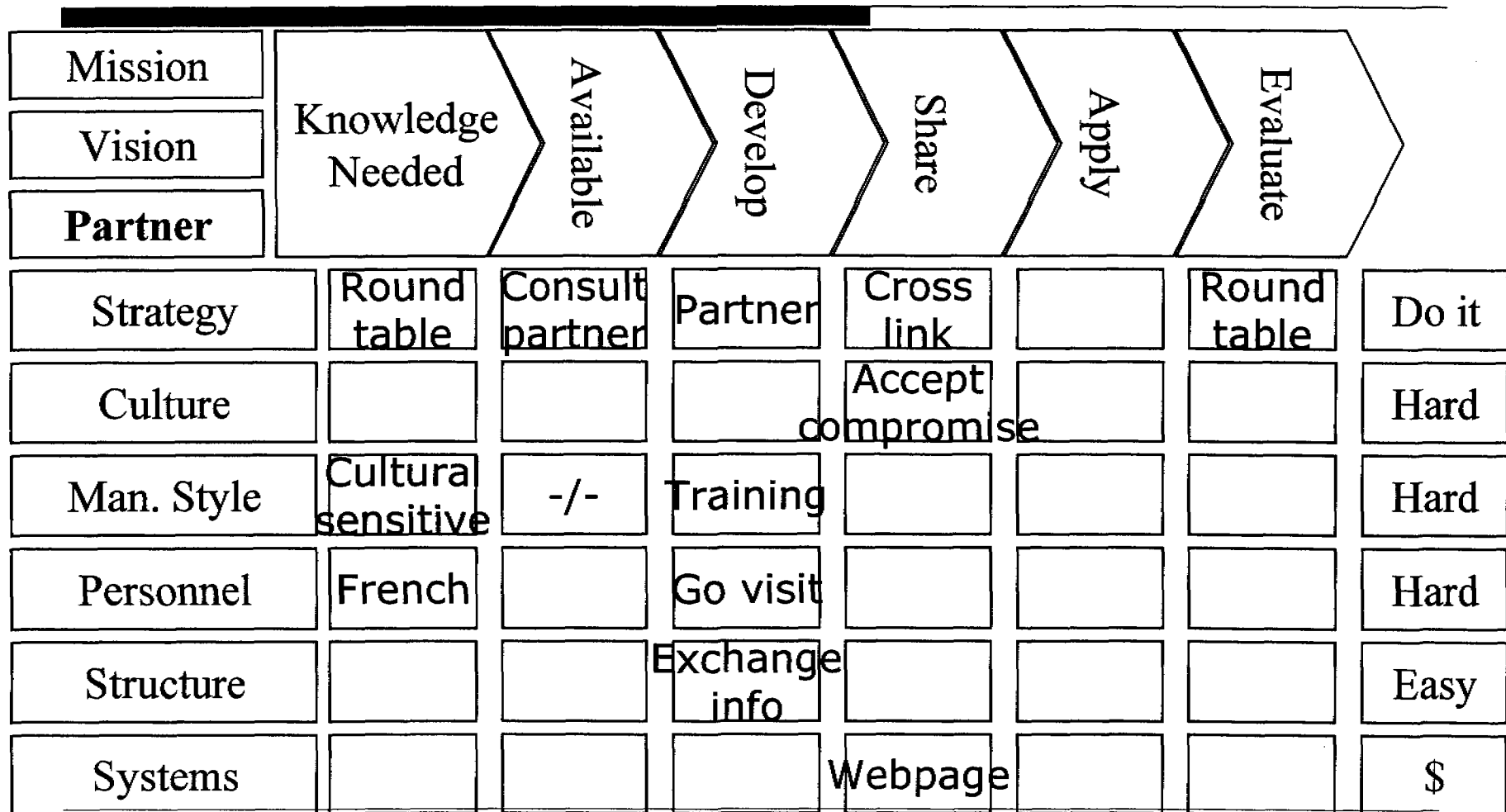
Knowledge Value Chain (KVC)

'to become information broker' 1



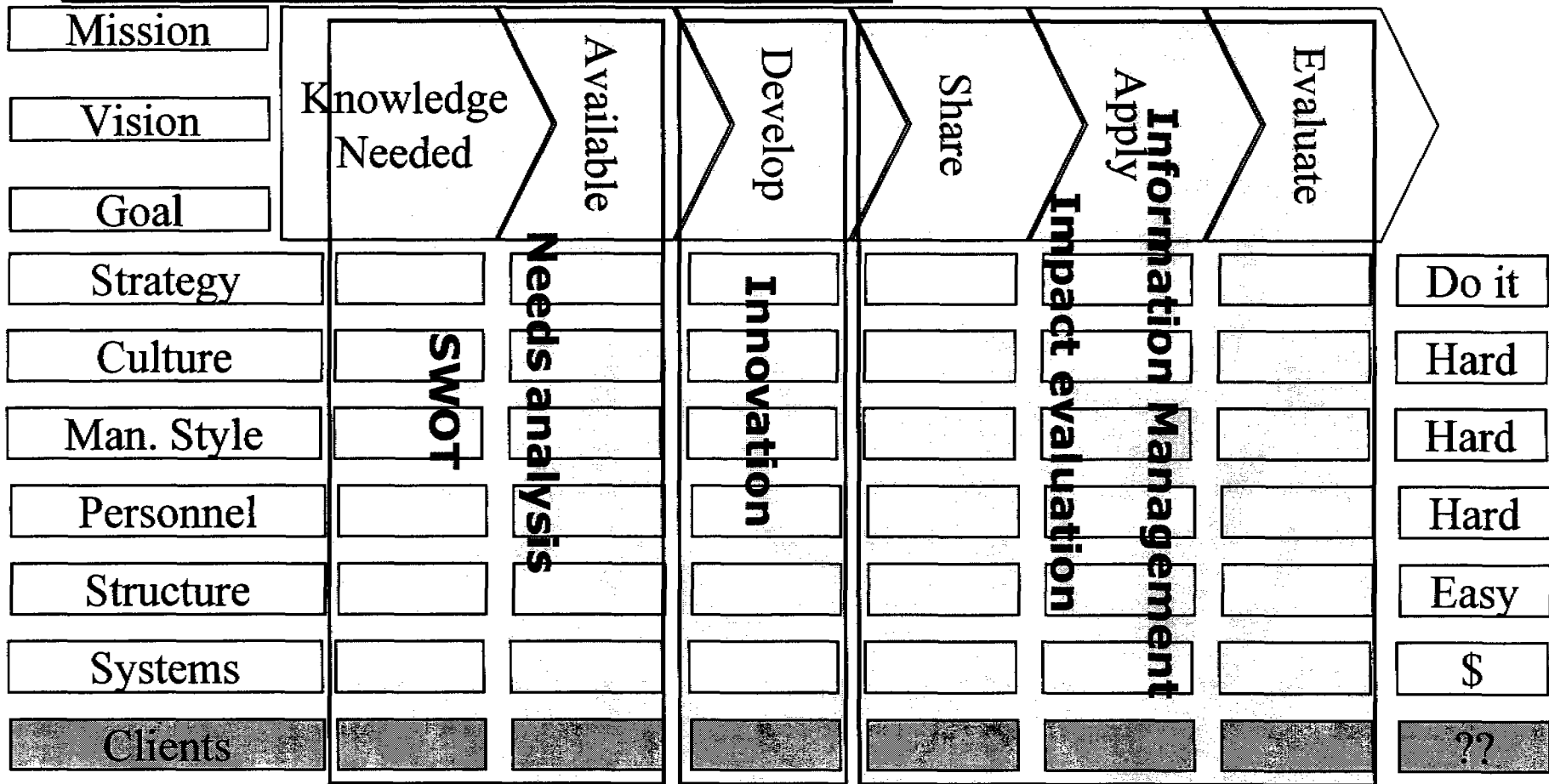
Knowledge Value Chain (KVC)

'to become information broker' 2



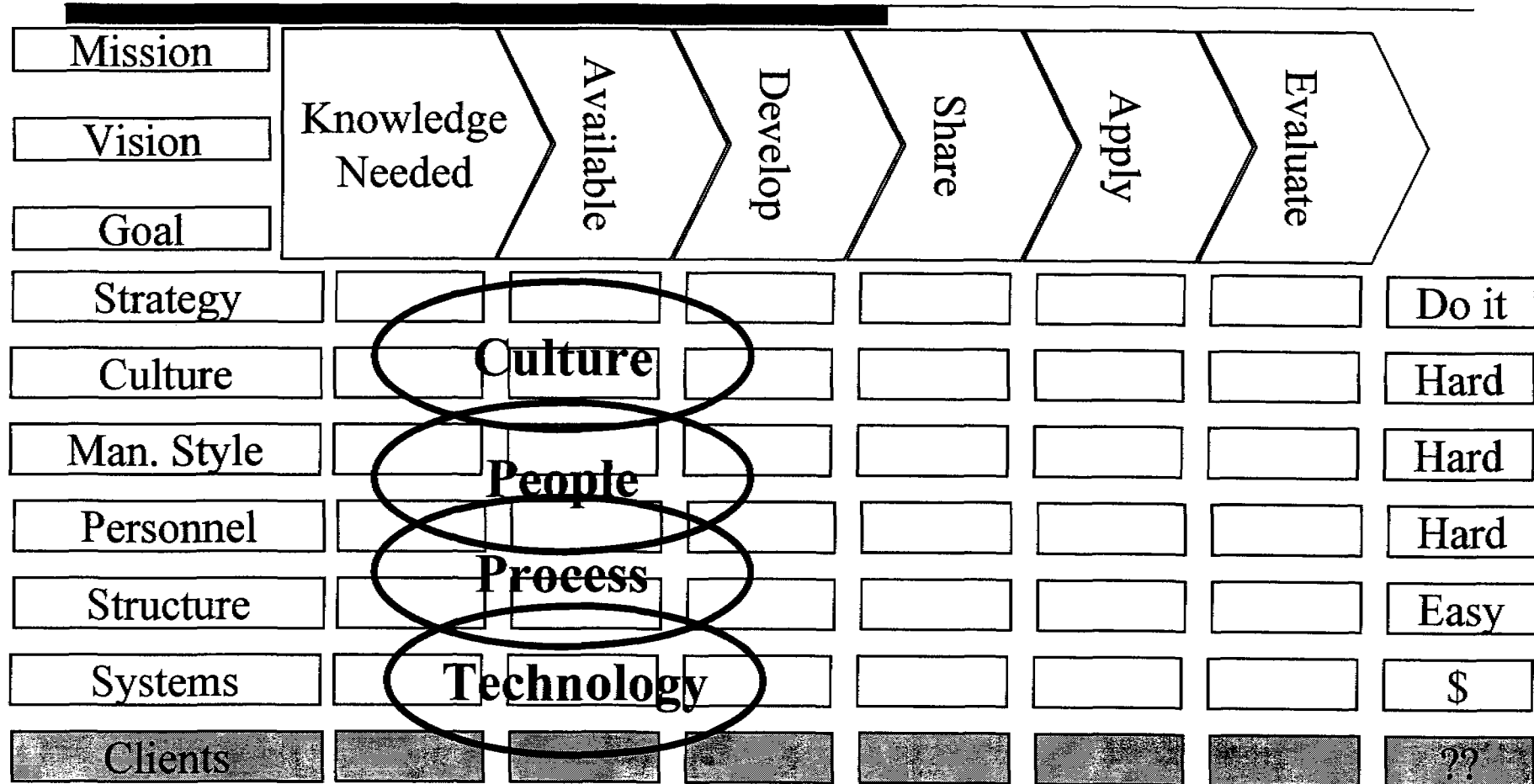
Knowledge Value Chain (KVC)

The model extended 1



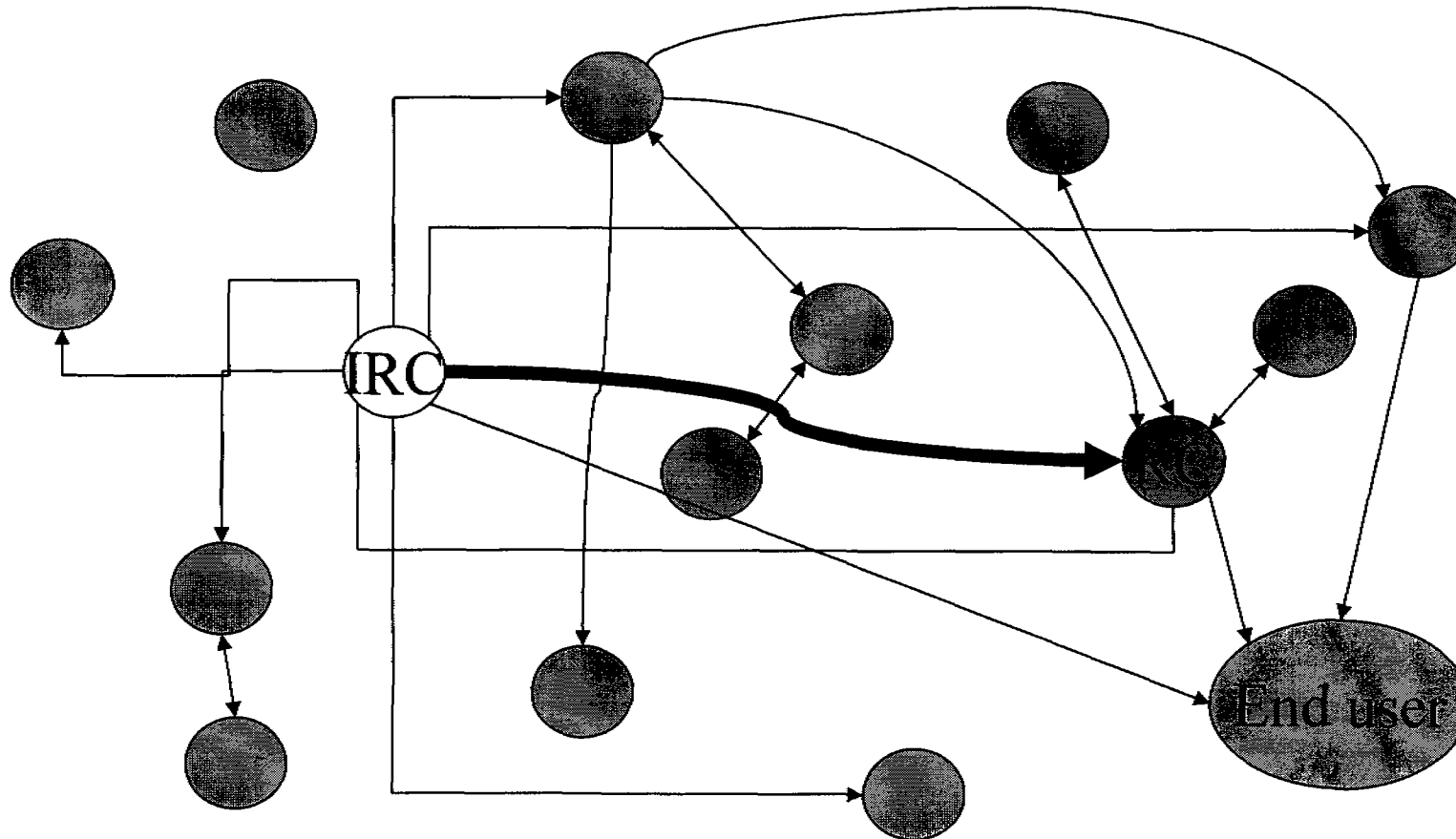
Knowledge Value Chain (KVC)

The model extended 2; VM



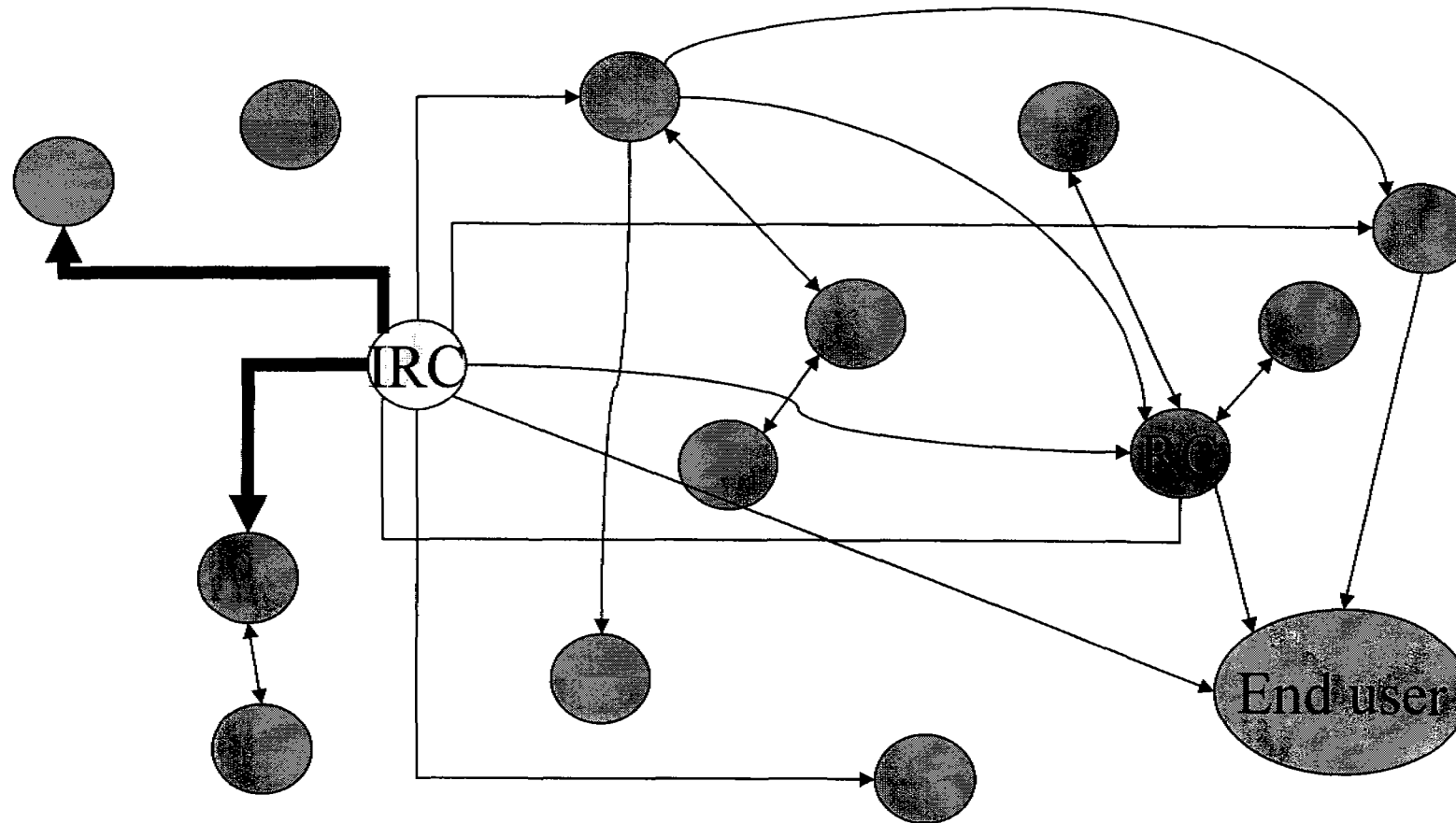
IRC and RC acting in network

Thick = RCD, thin is info (.. through others)



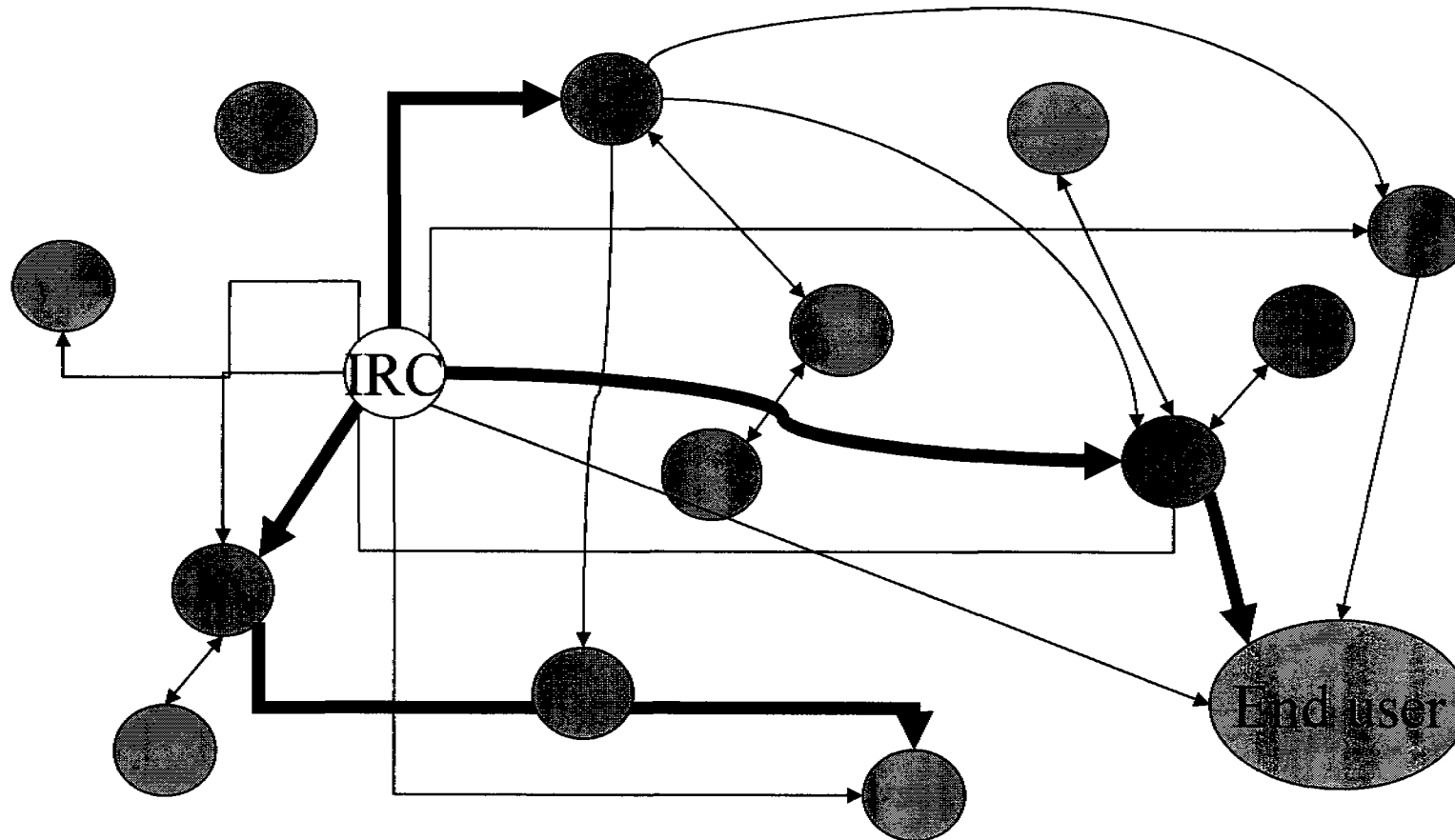
IRC and RC acting in network

Policy info

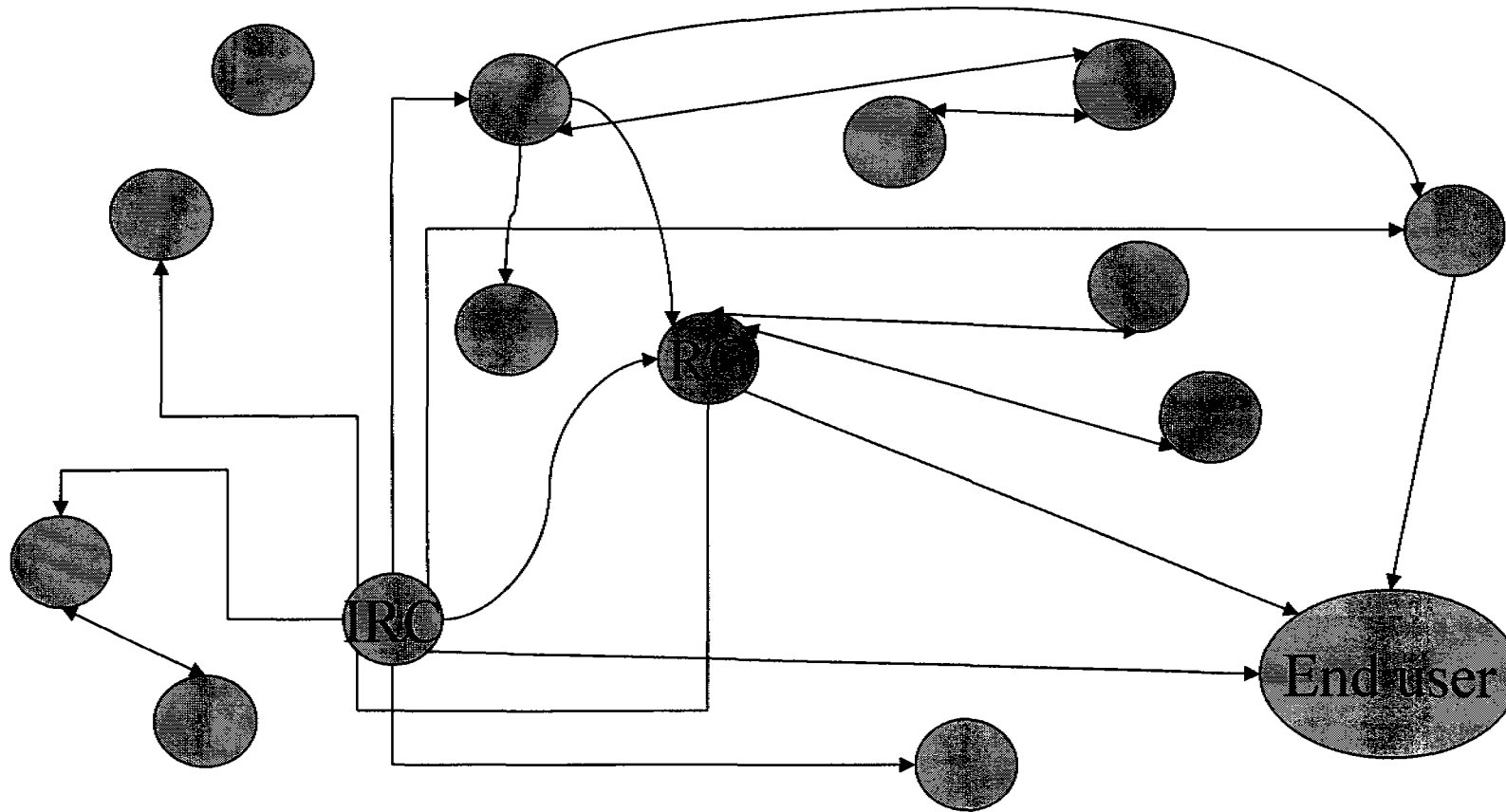


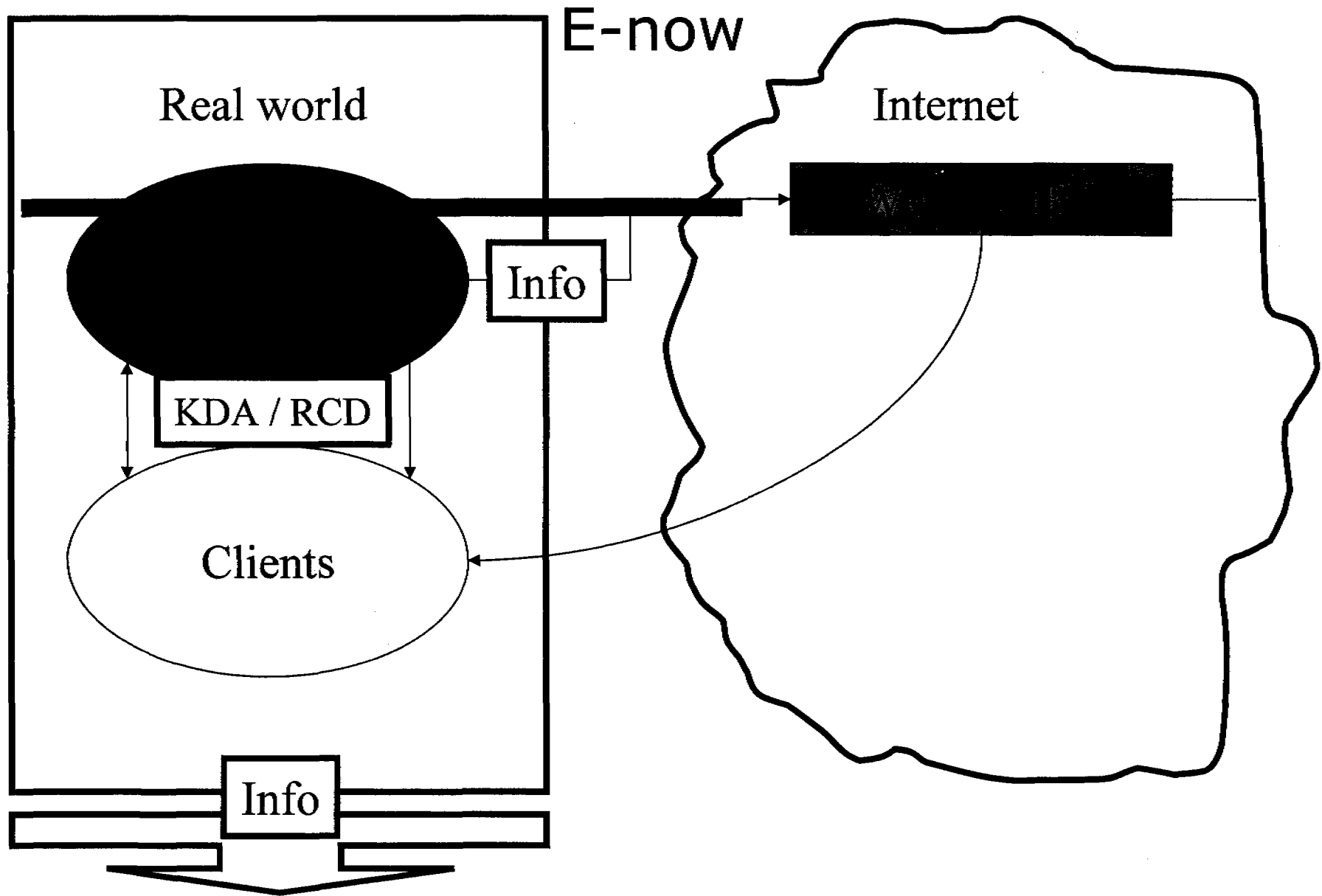
IRC and RC acting in network

Books..



RC: the 'spider' in their network





19-12-2002

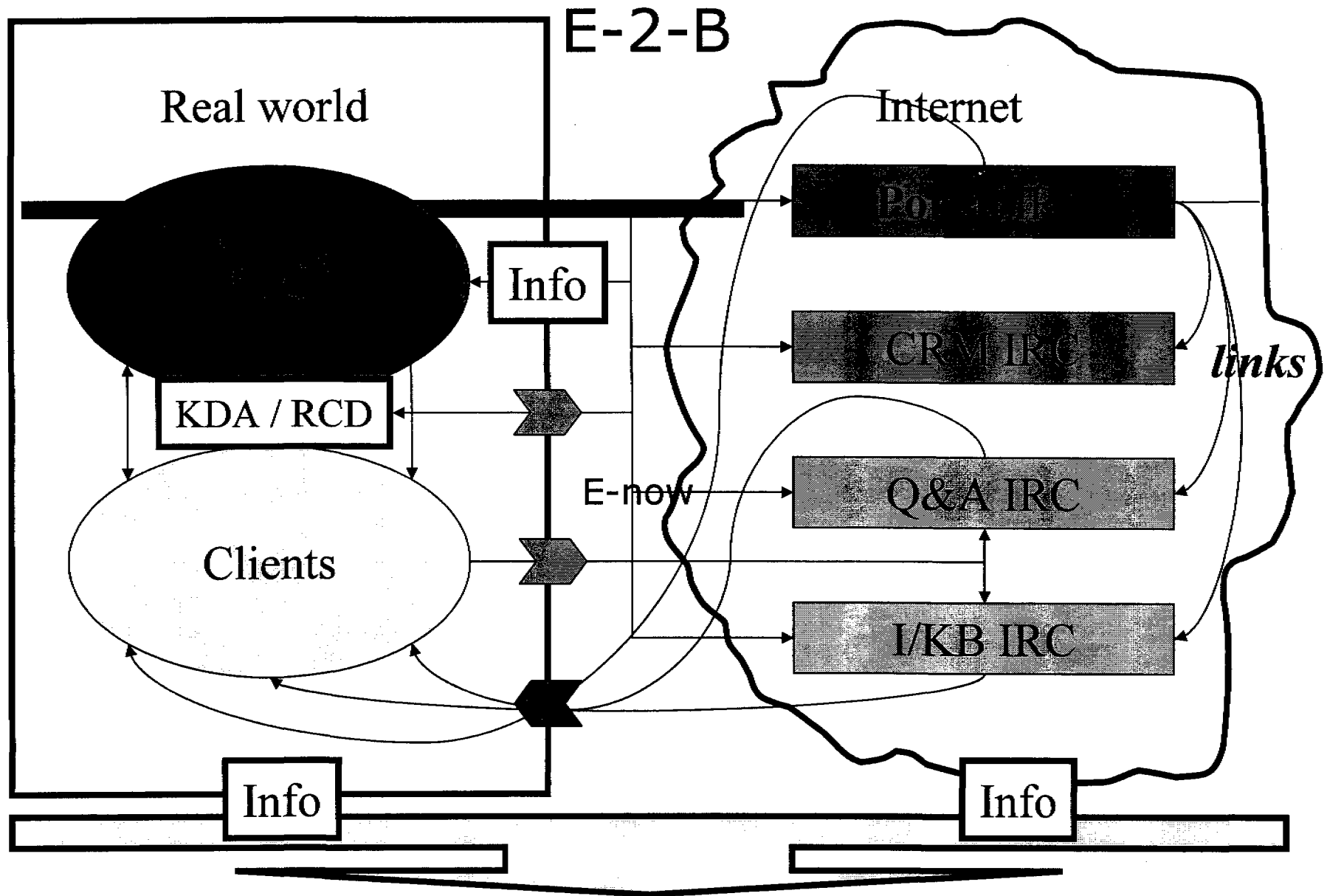
Print

IRC 2002 Jaap Pels

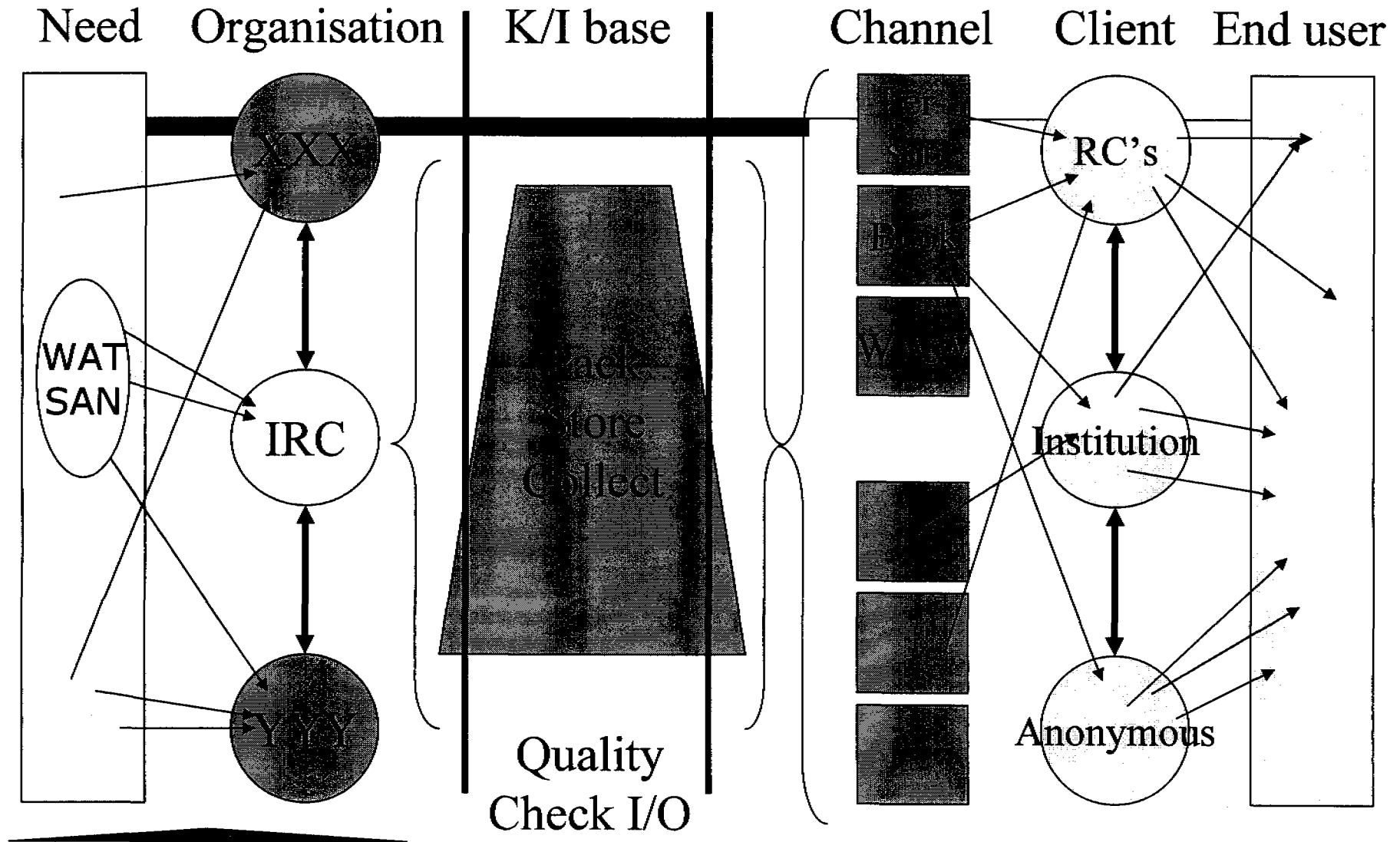
155

Straight = bring info

Curved = get info



Model for a Resource Centre



Who does Knowledge Management?

Information Manager:

ICT KM = Information (&CT) management.

Weggeman

$K = I. f(\text{esa})$

Management Team / Staff:

HTM KM = human talent / competence management.

$K = I. f(\text{esa})$

Director / Knowledge Manager / Service section:

KFO KM = to create a Knowledge Friendly Organisation.

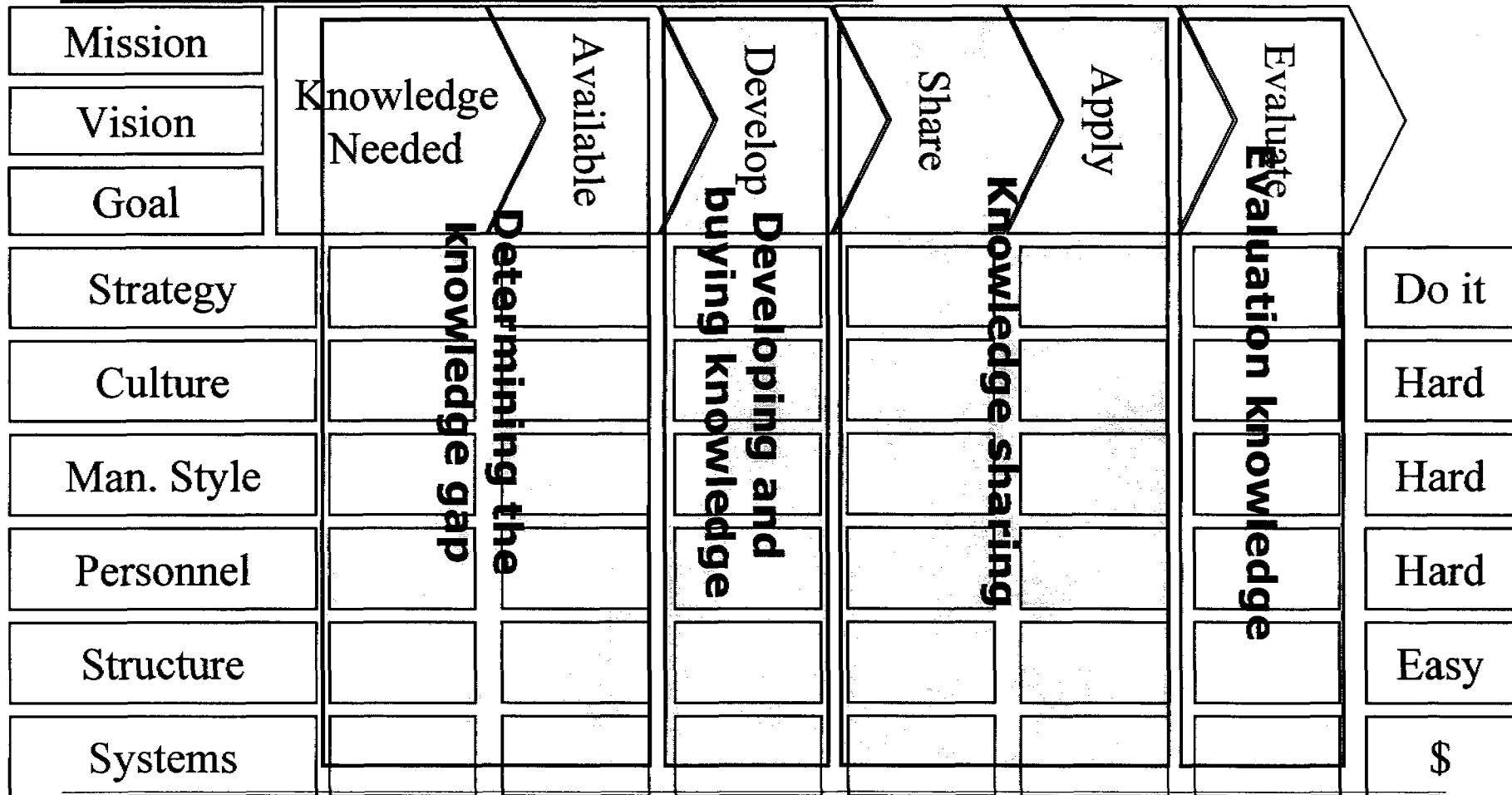
$K = I. f(\text{esa})$

So, KM effects the business of every employee!

Old Organisation + New Technology = Expensive Old Organisation

Knowledge Value Chain (KVC)

Instruments to steal...



Knowledge management instruments

1. Determining the knowledge gap.

- Develop knowledge information system.
 - Organize meetings for knowledge sharing.**
 - Interview (knowledge-)workers.
 - Search for best practices.
 - Develop scenarios.
 - Carry out strategic studies.
 - Install Internet.
 - Assess customers.
 - Manage by walking around.
 - Assess product developments.
 - Organize brainstorm sessions (for instance through using Group Systems).
 - Draw up an inventory of personnel and their qualifications.
 - Carry out case-studies into the own organization.
- Carry out knowledge mapping.**
Hire researchers and consultants.
Develop an intranet.
Detach personnel.
- Assess markets.**
Manage by wandering around.
Assess competition.

Knowledge management instruments

2. Developing and buying knowledge

- Carry out strategic technology study..
- Carry out R&D..
- Install electronic boardroom..
- Use external training..**
- Use business intelligence..
- Install helpdesk..
- Carry out customer satisfaction research..
- Carry out market research..
- Draw up an inventory of the need for training and education of personnel, both strategically as well as personal.
- Develop training and education plan..
- Educate and train personnel..
- Learn from projects, for instance by evaluating them.**

Knowledge management instruments

2. Developing and buying knowledge

- Develop career paths for personnel.
 - Give personnel time to develop ideas.
 - Facilitate training-on-the-job.
 - Facilitate job rotation.
 - Send personnel to conferences.**
 - Give personnel time to read professional literature.
 - Organize seminars with external speakers.
 - Obtain knowledge from customers.
 - Organize mentorship in units.
 - Organize mentorship between units.
 - Look for traineeships.**
 - Organize detachments.
 - Buy knowledge and information hardware.
 - Monitor the environment (benchmarks).
- Build a network of relations.
 - Facilitate streams of information.
 - Facilitate learning-by-doing.
 - Create an open culture.
 - Obtain knowledge from suppliers.
 - Hire research and consultancy.
 - Install (virtual) suggestion box.
 - Manage networks.**

Knowledge management instruments

3. Knowledge sharing

- Archive projects.
 - Install computer networks.
 - Make project- or fact-sheets.
 - Organize mentorship between units.
 - Install knowledge counter.
 - Organize task groups.
 - Stimulate teambuilding.
 - Install knowledge management system.
 - Appoint an information broker.
 - Debrief personnel.**
 - Enhance communication between personnel (for instance by lunch break meetings).**
 - Facilitate job rotation.
 - Install an intranet.**
 - Use video conferencing.
 - Facilitate internal detachment.
 - Facilitate informal gatherings.
 - Facilitate culture of deliberation.
- Use intermission.
 - Stimulate cooperation.
 - Organize mentorship in units.

 - Look for traineeships.
 - Organize theme groups.
 - Organize work meetings.**
 - Work with databases.
 - Carry out internal audits.
 - Install helpdesk.

 - Organize autonomous work groups.
 - Facilitate exchanging of tasks.
 - Use information technology.
 - Facilitate training-on-the-job.
 - Organize cocktail hours.
 - Install electronic networks.

Knowledge management instruments

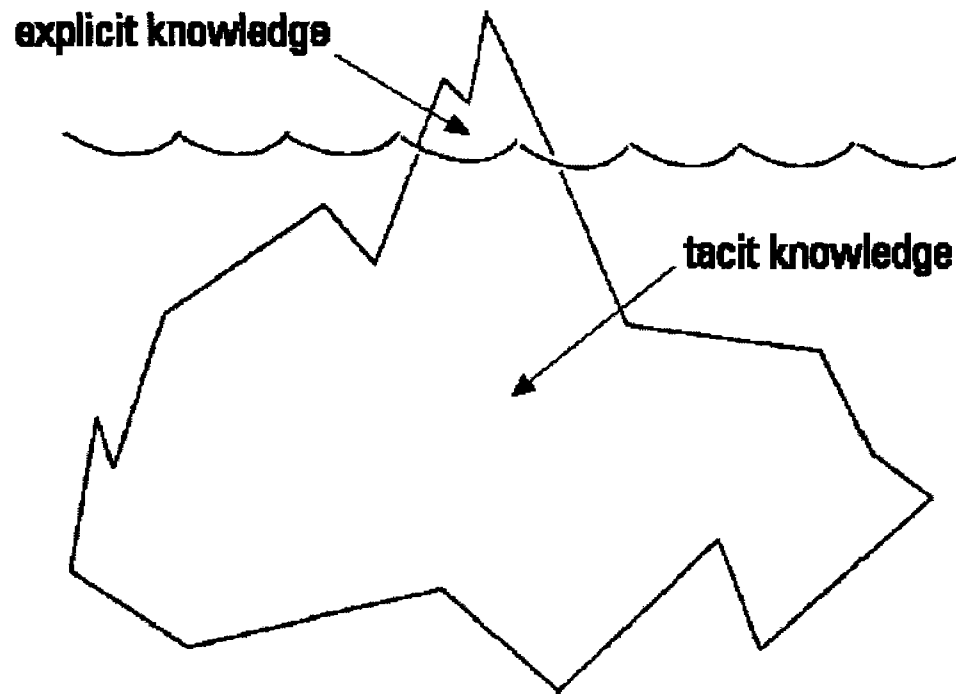
4. Evaluating knowledge

- Carry out internal audits.
- Carry out external audits.**
- Carry out (informal) project evaluations.
- Interview suppliers.
- Interview customers.
- Carry out strategic studies.
- Organize workshops.**
- Debrief leaving personnel.
- Use benchmarking.
- Read reports.
- Use handbooks.

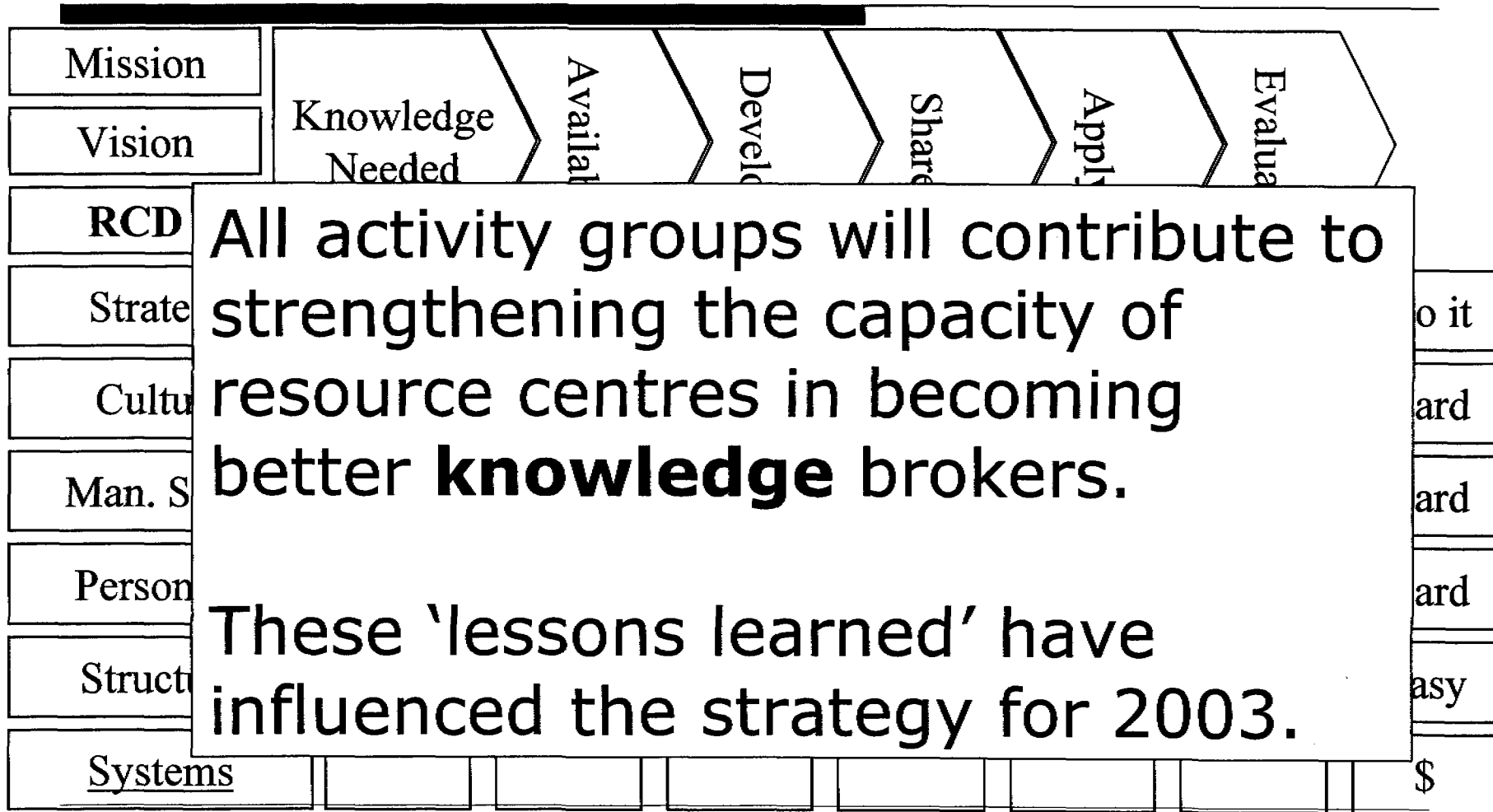
Questions in knowledge management

Roelof P. uit Beijerse
Journal of Knowledge
Management Volume 3
Number 2 . 1999 .
94?09

Knowledge Value Chain RCD



Knowledge Value Chain RCD



Knowledge Value Chain RCD Strategy / Available

- Information is not necessarily an issue that governments commit themselves to in terms of making resources available. An important challenge for the section will be to help RCs to make the government of their countries more information minded.

Knowledge Value Chain RCD Share

- Supporting RCs on the basis of their demands and requirements related to the knowledge sharing strategy they develop, and the capacity they need to implement this.

Knowledge Value Chain RCD Personnel

- Ensuring that a minimum of 5 IRC staff and a total of 2 RC staff are competent to facilitate RCD-processes (internal/external training and coaching).

Knowledge Value Chain RCD

Evaluate

- We have started the development of a monitoring 'system', which needs to be tried out and be used. This includes more qualitative indicators that will allow us to see whether our support efforts are effective.

Knowledge Management

What to pick-up for RCD

- So maybe RCD should concentrate on creating Virtual Resource Centre and look for owners in the network from a RC; not necessarily the RC IRC works with.

- Example: www.cbnrmasia.com



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