

Ten years ago, on March 27, 1998, the proposal for the **Virtual Health Library** was publicly launched in Costa Rica, with the "**Declaration of San Jose towards the Virtual Health Library**", formulated around the commitment and calling upon for cooperative construction, aimed to strengthen the capacities, infrastructures and efforts to enable "the broadest access to information for permanent improvement of health of our people".

# **VHL 10 years**

the Virtual Health Library was designed as

a strategy

a model

a framework

oriented to the technical cooperation on scientific  
health information and communication

# VHL 10 years

the network achieved extraordinary advancements



capacity

infrastructure

quality

visibility

accessibility

use

impact

# VHL 10 years

plain operation faces persistent challenges



politics

management

infrastructure

professionals and technicians

technological

cultural

# VHL 10 years

Opportunity for

analysis

evaluation

correction

renovation

innovation

# VHL 10 years collective construction

## 5th Regional Coordination Meeting of the VHL



5<sup>th</sup> Regional Coordination  
Meeting of the Virtual  
Health Library

Rio de Janeiro | Brazil 14 - 16 September, 2008



**CRICS** Brazil • RJ  
8<sup>th</sup> Regional  
Congress on Health  
Sciences Information

Rio de Janeiro | Brazil 16 - 19 September, 2008

[português](#) | [español](#) | [Contacto](#)



**VHL 10 years**

**5<sup>th</sup> Regional Coordination**

**Meeting of the VHL**

**Rio de Janeiro, 14-16 September 2008**

**CRICS8**

**8th Regional Congress on Health  
Sciences Information**

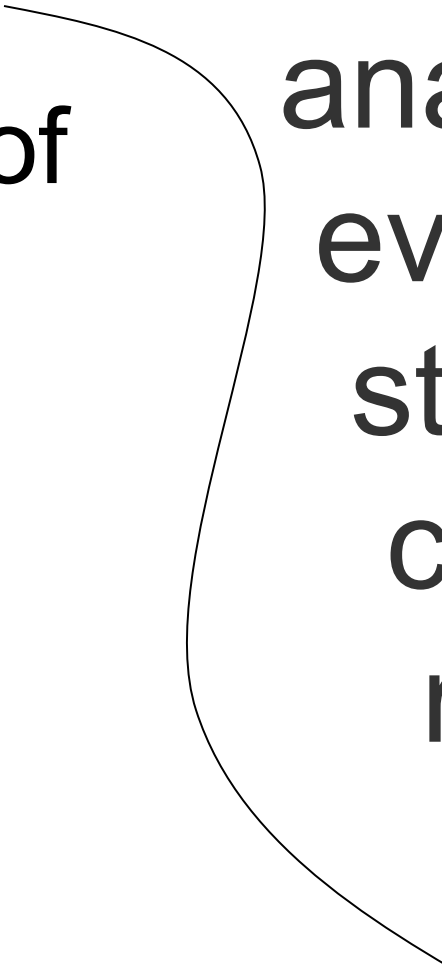
**Rio de Janeiro, 16-18 September 2008**



# VHL5 - VHL 10 years

## Preparatory meetings

Presentation of  
the national,  
regional and  
thematic VHL  
instances



analysis  
evaluation  
strengthening  
correction  
renovation  
innovation



# VHL5 - VHL 10 years

## Preparatory meetings

Each instance will have 20 minutes to present the state of development and operation of the VHL, including

- structure and operation of the network or networks of institutions and individuals producers, intermediaries and users of information
- products, services and events of the network
- strengths
- weakness
- future developments perspectives
- .....

# VHL5 - VHL 10 years

## Preparatory meetings

National and thematic instances are recommended to consult with institutional and individual networks to carry out the analysis and evaluation

- prepare a preliminary document with the results of the analysis and evaluation. This document is expected to be improved until the end of August and then published as a historical document on the VHL5 Meeting website
- an online presentation no longer than 20 minutes for the entire VHL network according to the timetable suggested by BIREME
- the presentation will be discussed between local and remote participants

# VHL - VHL 10 years

## Preparatory meetings

CRICS8 Forum Support – [www.forum.crics8.org](http://www.forum.crics8.org)



[Página Principal](#)

▼A^

[FAQ](#) [Registrar](#) [Entrar](#)

Hoje é Ter Abr 29, 2008 6:55 pm

FÓRUM

TÓPICOS MENSAGENS ÚLTIMA MENSAGEM



**BVS5**

Espaço para discussão sobre a 5ª Reunião de Coordenação Regional da BVS

0

0

Sem mensagens

[ENTRAR](#) • [REGISTRAR](#)

Nome de Usuário:

Senha:

☐ Entrar automaticamente em cada visita

[QUEM ESTÁ ONLINE](#)

No total, temos **1** usuário online :: 0 registrados, 0 ocultos e 1 visitante (baseado em usuários ativos nos últimos 5 minutos)  
O recorde de usuários online foi de **3** em Sex Abr 11, 2008 12:35 pm

Usuários Registrados: Nenhum usuário registrado online

Legenda: *Administradores*, *Moderadores Globais*

# VHL5 - VHL 10 years

## Preparatory meetings

VHL5 Blog Support – [blog.bvs5.crics8.org](http://blog.bvs5.crics8.org)



[Home](#) >> [Blog Colaborativo BVS5](#)



### Bienvenidos al Blog de la BVS5

por: veronica

Nuestras bienvenidas a los participantes de la **5a. Reunión de Coordinación Regional de la BVS** que es el más importante espacio de intercambio de la Red cooperativa de instituciones e individuos productores, intermediarios y usuarios de información científica y técnica en la BVS.

El proceso de preparación colectiva de la Reunión BVS5 se dará a través de reuniones en línea previas a la reunión presencial de la BVS5, con la participación de los representantes de los países y de las áreas temáticas de la BVS.

En la reunión presencial de la BVS5, del 14 al 16 de septiembre de 2008, en Río de Janeiro, serán presentadas las experiencias exitosas seleccionadas durante el proceso colectivo de preparación de la reunión y las recomendaciones de la Red BVS.

Todas las reuniones en línea serán realizadas por medio de la herramienta Elluminate de acuerdo a la agenda determinada que está organizada en

### Búsqueda

Buscar

### Entradas Recientes

- ▶ [Bienvenidos al Blog de la BVS5](#)
- ▶ [Hello world!](#)

### Comentarios Recientes

- ▶ [Mr WordPress](#) en [Hello world!](#)

### Enlaces

# 10 years

## Virtual Health Library

stage of development – global and regional challenges and perspectives

Abel L. Packer

BIREME/PAHO/WHO, Director

5th Regional Coordination Meeting of the VHL

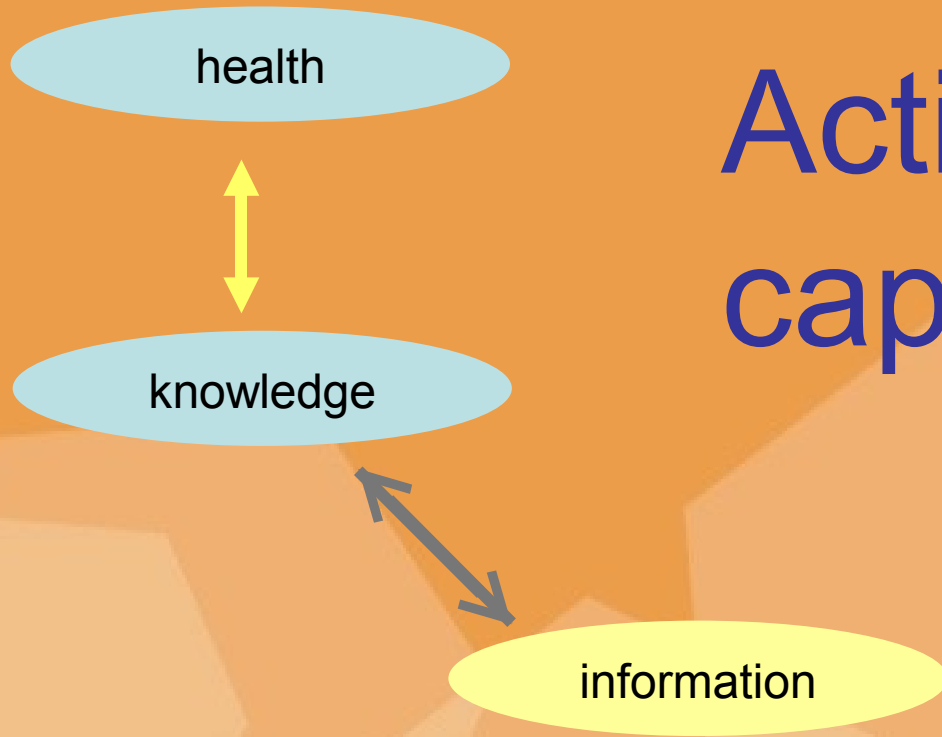
30 April 2008

## 20th Century Consensus

The access to information, knowledge and scientific evidences is essential for development in general and for health in particular

inform process, decisions  
and innovation on collective  
and individual health

# Action capacity



# The Virtual Health Library

is a strategy

a model

a milestone of work

on scientific technical

information and communication



# The Virtual Health Library

1

is oriented to the development  
of national and regional systems  
of research, education and  
health care

2

And to the general public

# The Virtual Health Library

Is an integral part of  
PAHO/WHO's technical  
cooperation strategy for health  
development and information  
and knowledge management  
and sharing

the VHL contributes to the construction and progress of the knowledge society and it is a product and part of it

- Promote and carry out the informational and digital inclusion.

- Centered on the development of capacities on access and publication.

- Based on learning

the VHL contributes to the construction and progress of the knowledge society and it is a product and part of it

- Promote and carry out the informational and digital **inclusion**.

- Centered on the development of **capacities** on access and publication.

- Based on **learning**

# The Virtual Health Library

is a strategy

a model

a framework

on scientific technical

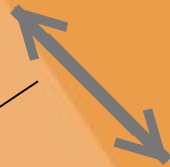
information and communication

health



knowledge

knowing is an individual act  
encapsulated in social process

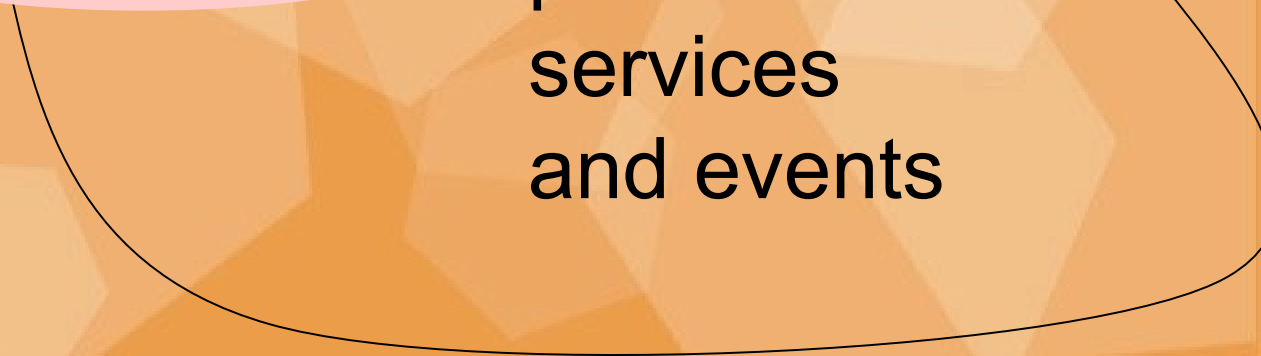
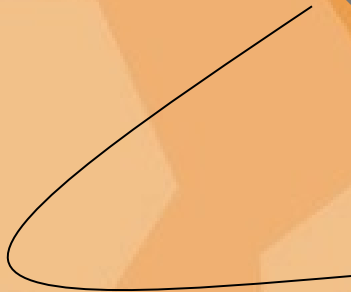


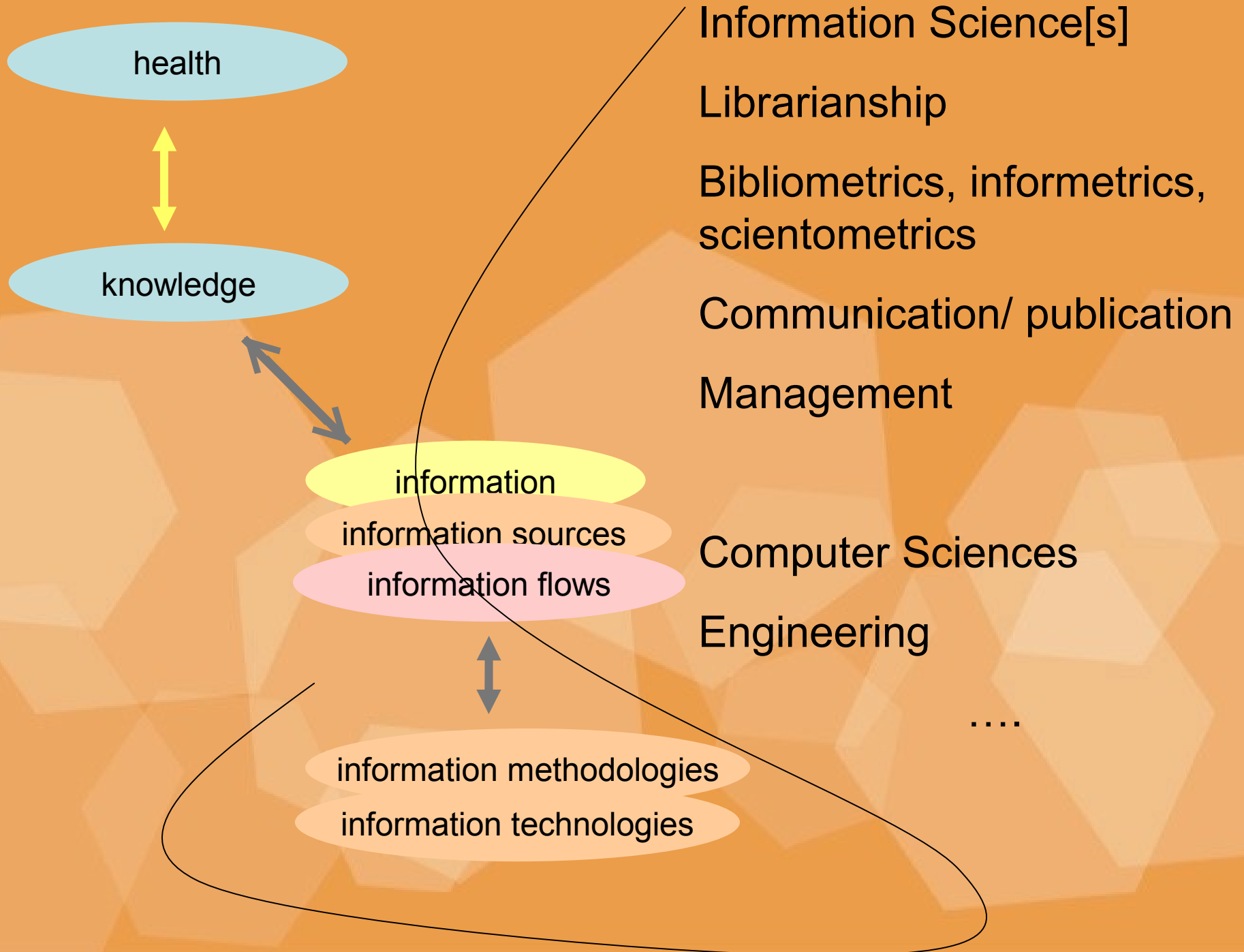
information

information sources

information flows

Information  
products  
services  
and events

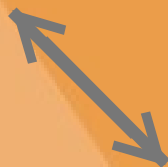




health



knowledge



information

information sources

information flows



information methodologies

Information technologies

## Public goods

equitable access

publication – control,  
indexing and evaluation

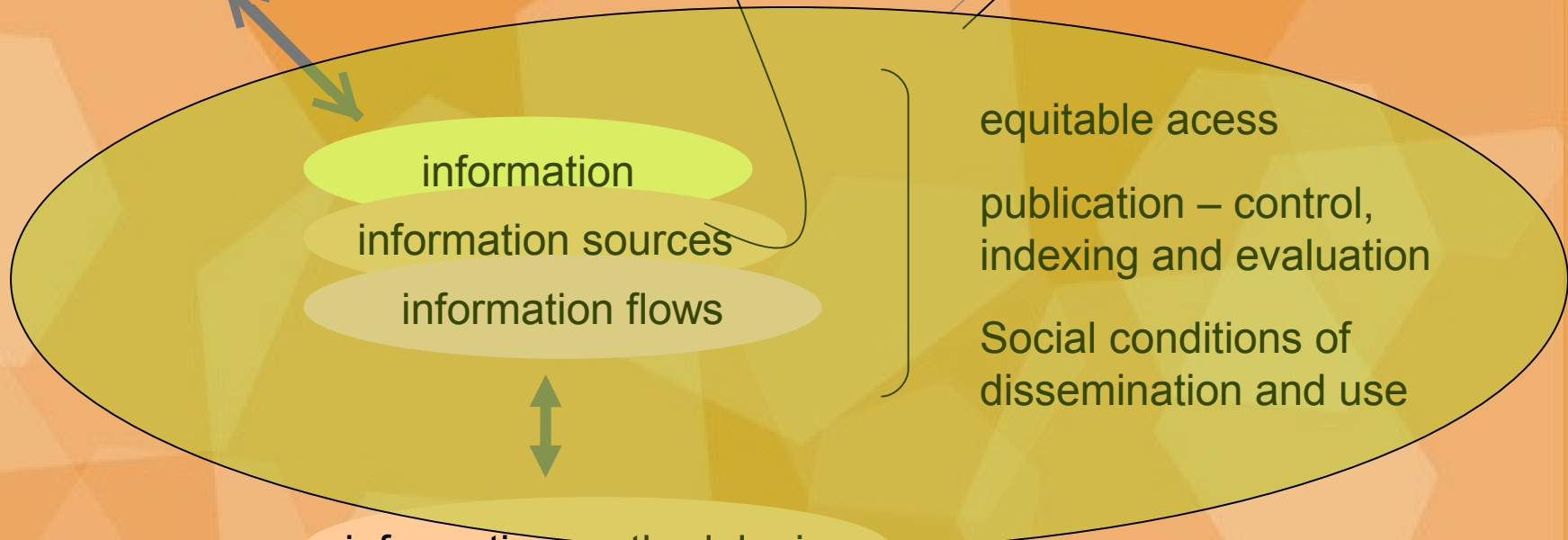
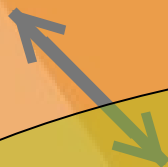
social conditions of  
dissemination and use



health



knowledge



VHL

information methodologies

Internet

paper

radio

tv

# The Virtual Health Library

is a strategy

a model

a framework

on scientific technical

information and communication

Cooperative network

Compliance with international standards

oriented to open access and free access technologies

# The VHL operates in 3 dimensions



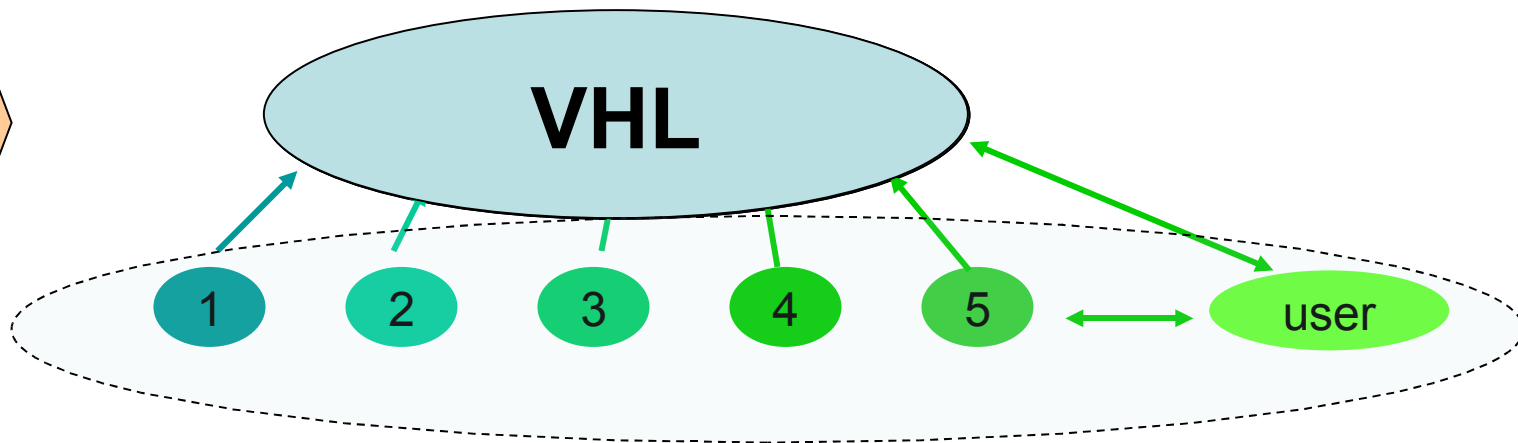
- 1 social networks
- 2 content networks
- 3 learning and informed environment networks

methodologies,  
technologies, quality

# Scientific communication structure



**Classic Model:** fixed instances separated in space and time

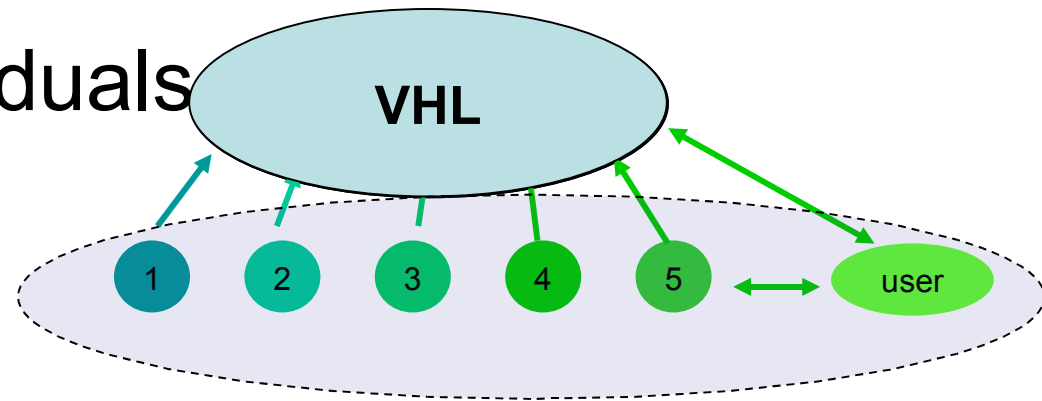


**Web/Internet Model :** instances converging to the same space with high level of simultaneity.

VHL 3 dimensions

# 1 social network

institutions and individuals  
producers  
intermediaries  
and users  
of health scientific and technical information



VHL 3 dimensions

# 1 social networks

collective construction

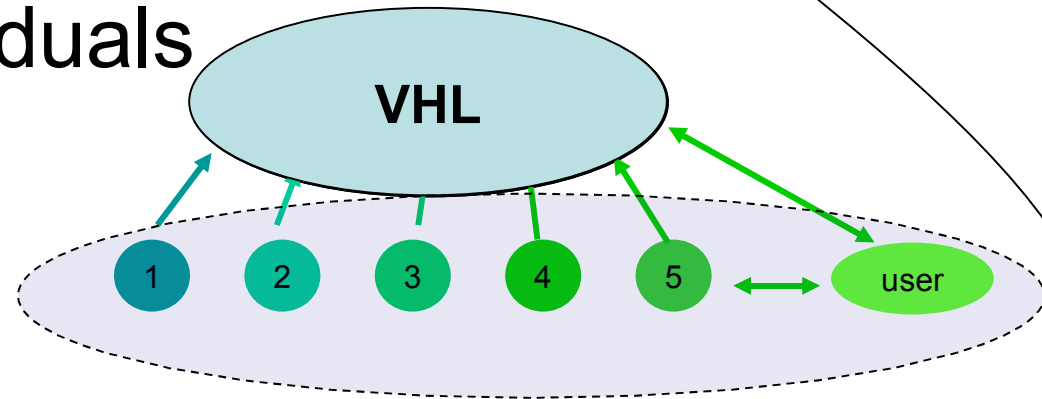
institutions and individuals

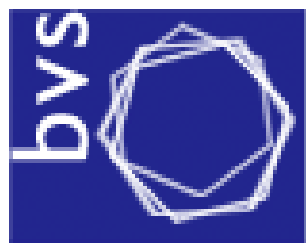
producers

intermediaries

and users

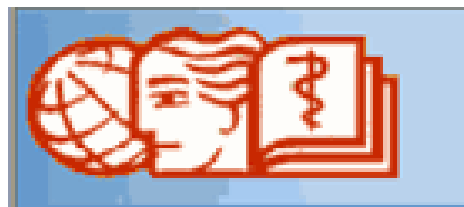
of health scientific and technical information





biblioteca  
virtual em saúde

SciELO



TropIKA



GlobalHealthLibrary

ePORTUGUÊSe





## Virtual Health Library

### Network



VHL





SciELO





ScienTI


### Countries


 Argentina


 Barbados


 Bolivia


 Brazil


 Belize


 Chile


 Colombia


 Costa Rica


 Cuba


 Dominican Republic


 Ecuador

 Spain

 Guatemala

 Honduras

 Jamaica

 Mexico

### VHL Search

Enter one or more words

Search

method: ☒ by words ☐ by relevance ☐ google

☐ CS/MeSH descriptors

Regional  
National  
Thematic  
Institutional  
networks

es

search

nces

Cochrane Library, SciELO

### Specialized Areas

ADOLEC, BBO, BDNF, DESASTRES, HISA, HOMEINDEX, LEYES, MEDCARIB, REPIDISCA

### International Agencies

PAHO, WHOLIS

### Document Access



SCAD- Cooperative Service for Accessing Documents

Portal of scientific journals

### Directories, Portals

Evidence Portal

Events directory

### Highlights



VHL 10 years

CRICS 8



Newsletter VHL  
VHL News Network

Information for health promotion  
in face of climate changes

VHL - 10th anniversary!

GHL progresses in the  
Western Pacific

5th VHL Meeting will have  
active participation of national  
and thematic networks

Mexico has a Collaborating  
Center for the WHO Family of  
International Classifications

Brazilian CSDH publishes final  
report

### Events on Health



Recommend your event

instances

network  
inter  
operation

**1 geographical**

country, sub regional, regional >>> global  
local - communities

**2 thematic**

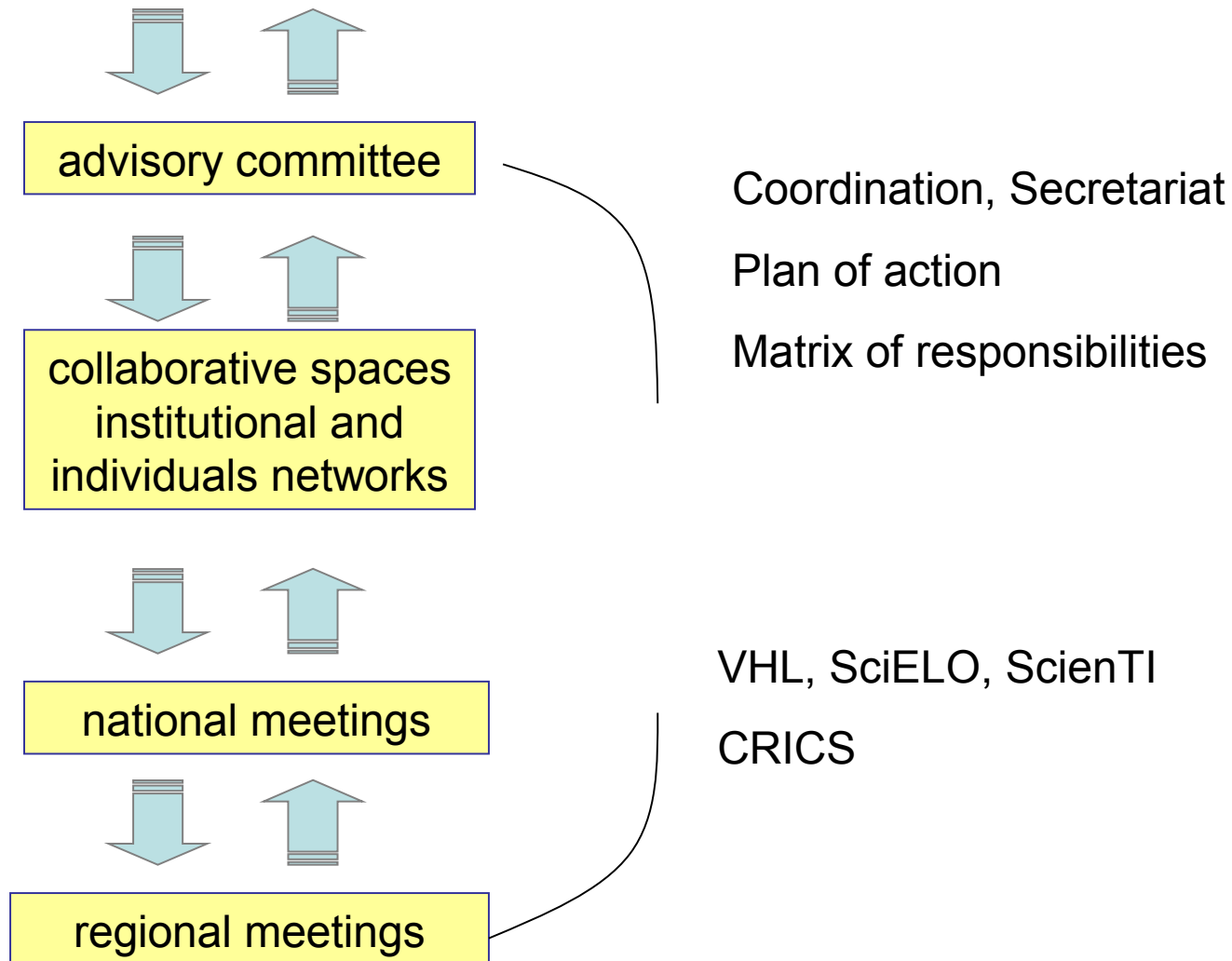
country, sub regional, regional >>> global  
portals

**3 institutional**



# Collective construction

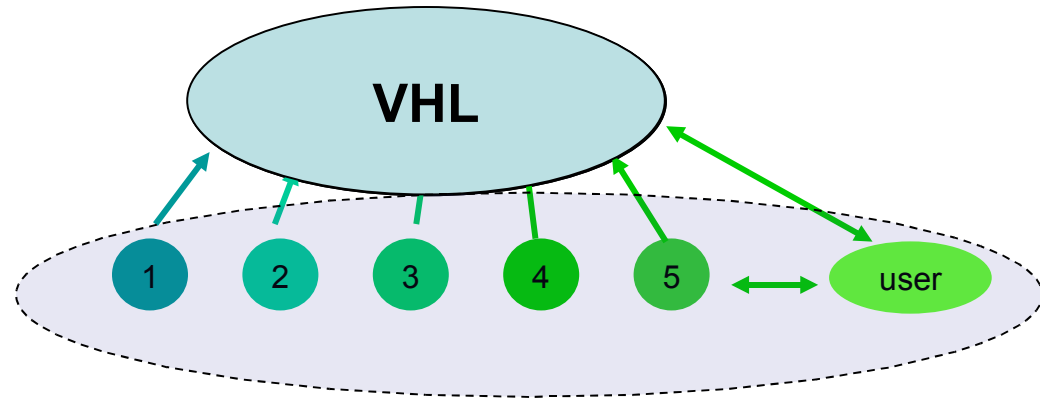
## Shared leadership



VHL 3 dimensions

# 2 content networks

collections of  
products,  
services  
and events



information sources and flows

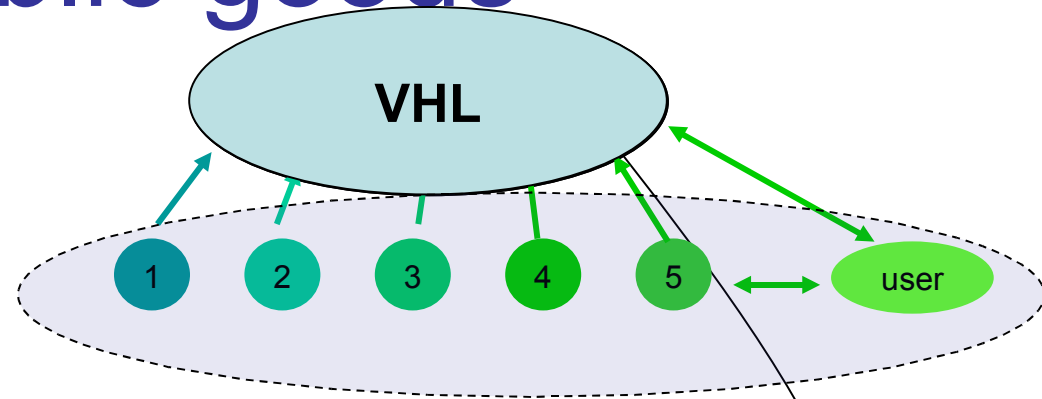
VHL 3 dimensions

# 2 content networks

public goods

collections of  
information  
products,  
services  
and events

information sources and flows





## Network



VHL



















SciELO



ScienTI

## Countries

-  Argentina
-  Barbados
-  Bolivia
-  Brazil
-  Belize
-  Chile
-  Colombia
-  Costa Rica
-  Cuba
-  Dominican Republic
-  Ecuador
-  Spain
-  Guatemala
-  Honduras
-  Jamaica
-  Mexico

## VHL Search

Enter one or more words

Search

method: ☒ by words ☐ by relevance ☐ google

Search by DeCS/MeSH descriptors

## Information Sources

### Bibliographic Search

#### General Health Sciences

LILACS, MEDLINE, The Cochrane Library, SciELO

#### Specialized Areas

ADOLEC, BBO, BDEF, DESASTRES, HISA, HOMEINDEX, LEYES, MEDCARIB, REPDISCA

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## Highlights



VHL 10 years

CRICS 8

information  
sources  
networks

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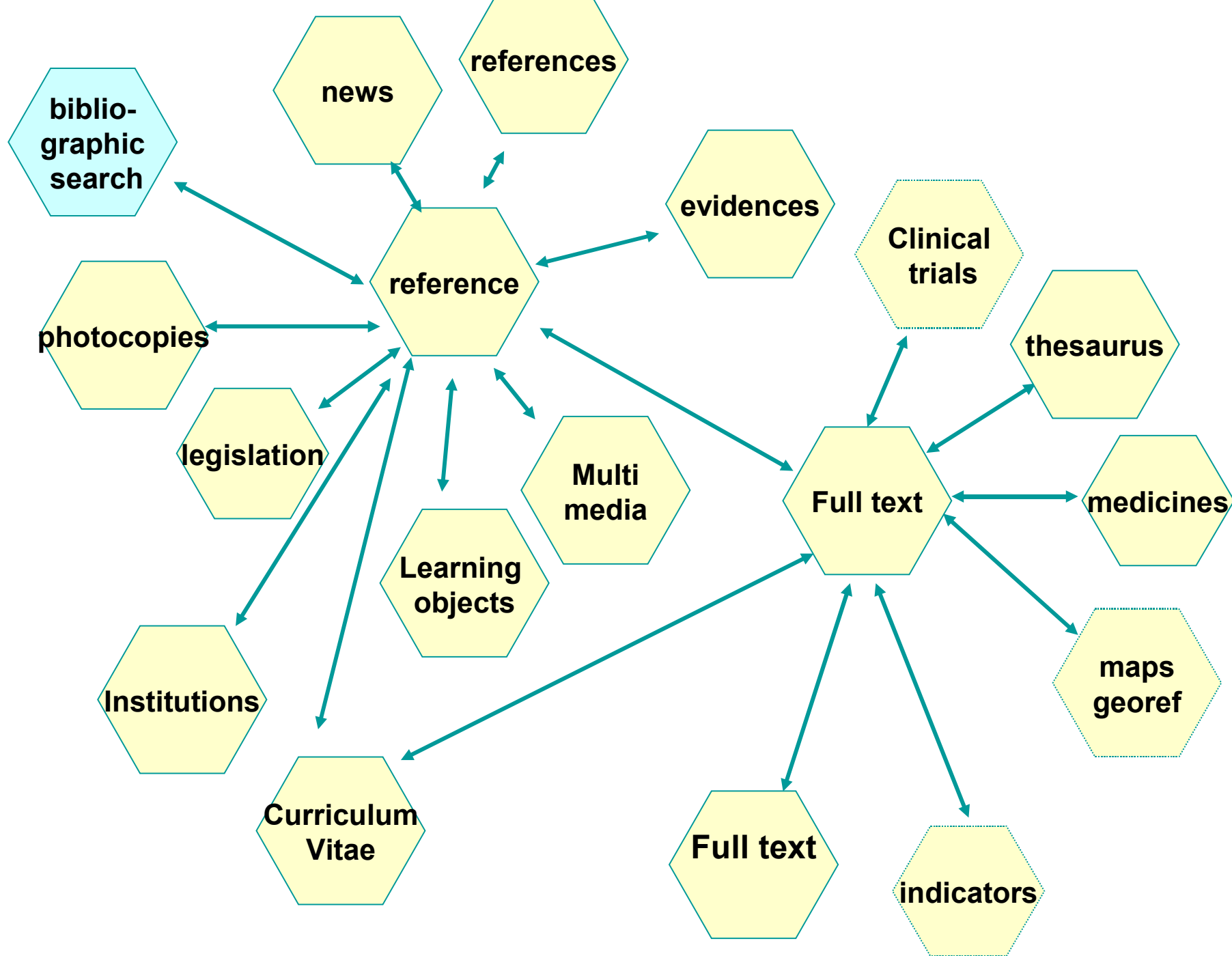
Mexico has a Collaborating  
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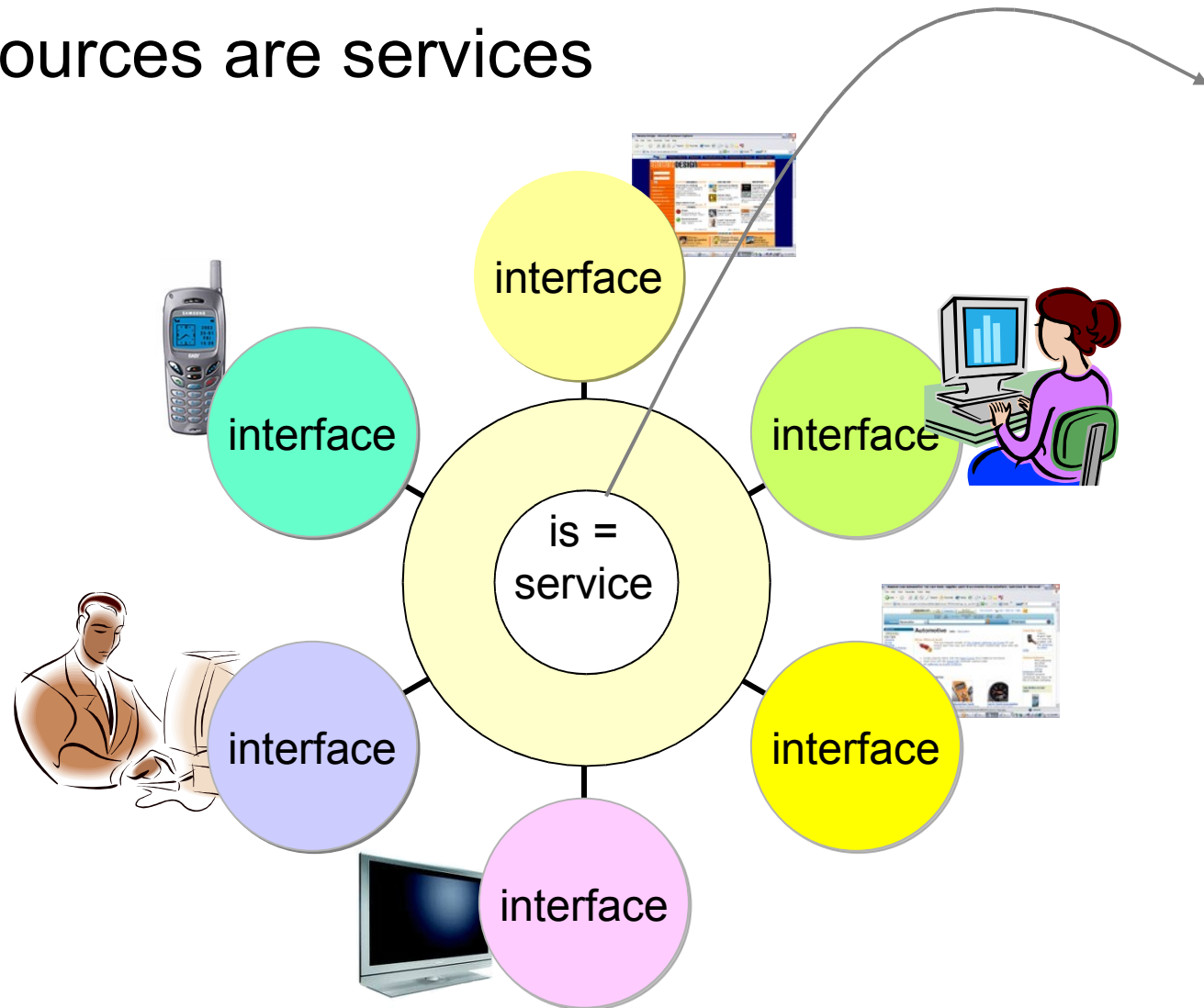
## Events on Health



Recommend your event



all information  
sources are services



Open Protocols:  
OAI,  
RSS,  
WS-SOAP, .....



# Information sources as services operate with



free links on the web

ubiquity of access to the  
information sources



information sources: 6 functional types

**primary:** original full texts, numerical databases

---

**secondary:** referential, catalogs, directories, services

---

**tertiary:** support to learning and decision-making processes

---

**selective and interactive dissemination:** [my library, notify me]  
services by profiles, entities, events of push and information inclusion

---

**communication and exchange :** [collaborative spaces, web 2.0]  
broadcast and interactive: news, events, communities

---

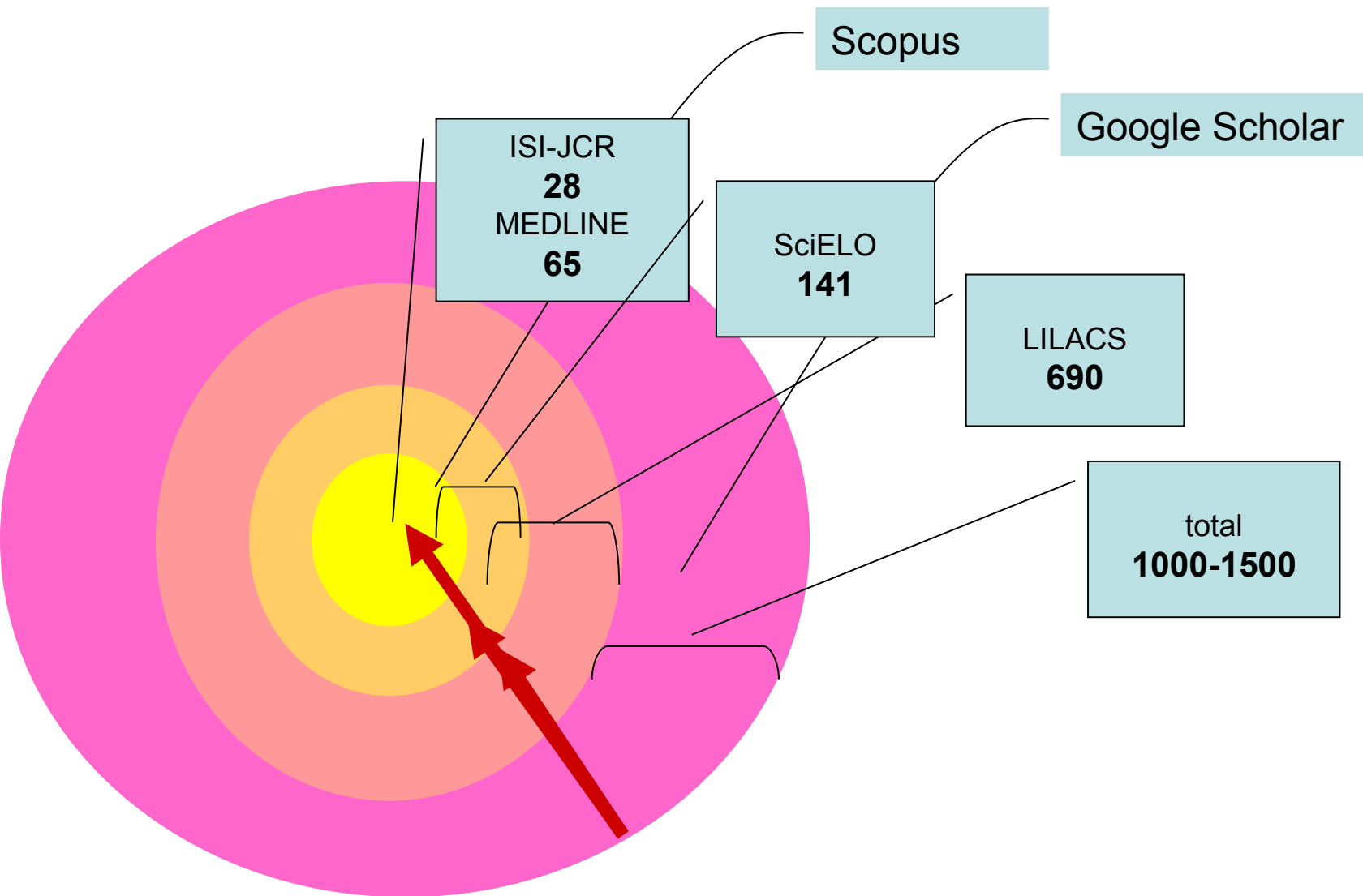
**methodologies, technologies:** guides, terminology

---

VHL records, organizes, indexes, preserves, relates, puts in resonance  
the contents of the information sources

# Challenges to interoperate in the global flow of scientific and technical information

- visibility, access, use, and impact --- indexing
- languages
- quality of the information, methodologies, technologies, products and services

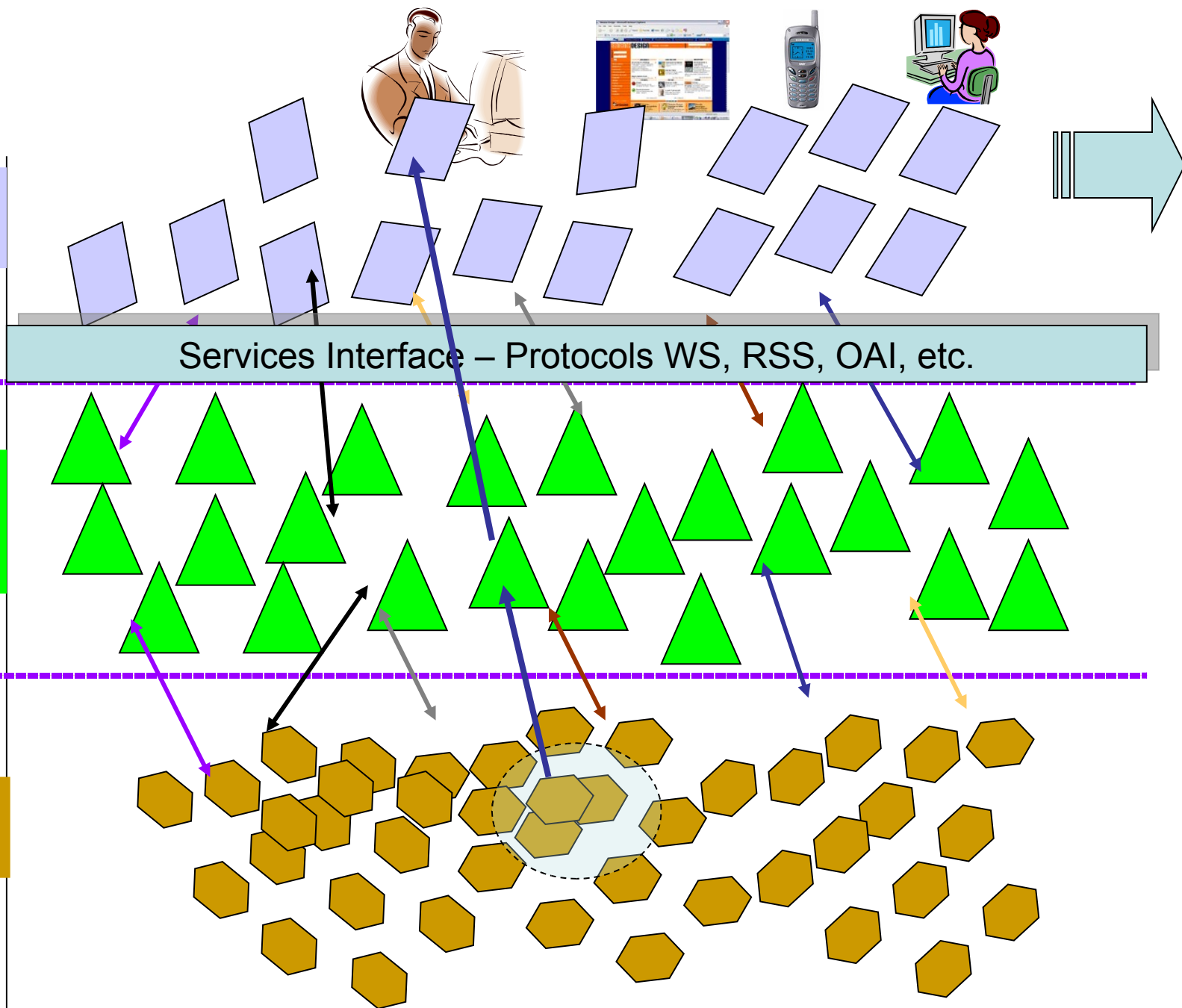


Indexing structure of the health sciences journals of LA&C  
2004, BIREME/PAHO/WHO

Level  
interface

Level index  
ISIS, OAI,  
Google, ...

Level data –  
text article



## » Networks

### Cochrane



Cochrane  
Collaboration



Brazilian  
Cochrane Centre



Ibero-American  
Cochrane Centre



EVIPNet

## » Search

Entry one or more words

Search

## » Health Care

### Systematic Reviews

Cochrane Reviews (CDSR), Quality-assessed Reviews (DARE)

### Clinical Trials

CENTRAL, LILACS, Trials on spinal pathologies

### Evidence Summaries

Actualización en la práctica ambulatorial, Bandolier, Gestión clínica y sanitaria

### Health Economic Evaluations

NHS-EED, LILACS

### Health Technology Assessments

HTA-INAHTA, Iberoamerican Agencies

### Clinical Practice Guidelines

National Guideline Clearinghouse (US)

## » Evidence-Based Medicine: methodology and application

### Relevant sites

## » Highlights

Encuentro  
centroamericano -  
Como y donde  
buscar información  
de calidad en salud.  
El Salvador, 14-18  
julio 2008

Online course  
'Introduction to Meta  
Analysis' - 2008,  
April 11 to May 9

XVI Cochrane  
Colloquium 2008

## Newsletter VHL

Information for health  
promotion in face of  
climate changes

VHL - 10th  
anniversary!

GHL progresses in

## » Networks

### Cochrane



Cochrane  
Collaboration



Brazilian  
Cochrane Centre



Ibero-American  
Cochrane Centre



EVIPNet

## » Search

Entry one or more words

**pregnancy adolescence**

Search

## » Health

### Systematic Reviews

Cochrane Reviews (CDSR), Quality-assessed Reviews (DARE)

### Clinical Trials

CENTRAL, LILACS, Trials on spinal pathologies

### Evidence Summaries

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### Health Technology Assessments

HTA-INAHTA, Iberoamerican Agencies

### Clinical Practice Guidelines

National Guideline Clearinghouse (US)

## » Evidence-Based Medicine: methodology and application

### Relevant sites

### Terminology, Glossary

DeCS, Health Terminology, Evidence-Based Medicine Glossary, Oxford

## » Highlights

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the Western Pacific

Search pregnancy adolescence

All indexes

where: All evidence literature

search

[Evidence](#) > [Search](#) > [pregnancy adolescence](#)

Export in

RSS

XML



Print

+ Search history (0)

+ Your selection (0)

- Refine your search

☐ Hide all ☒ Show all☒ Type[Clinical Trials](#) (64666)[Economic Evaluations](#) (3264)[Systematic Reviews](#) (2102)[Technology Assessments](#)

(151)

[Clinical Practice Guidelines](#)

(77)

[Internet Resource](#) (1)☒ Subject[Adolescent](#) (3563)[Asthma](#) (2777)[Anti-Bacterial Agents](#) (1287)[Cost-Benefit Analysis](#) (1246)[Pain, Postoperative](#) (1232)

Results 1-10 de 70260

&lt;&lt; First &lt; Previous 1 2 3 4 5 6 7 8 9 10 Next &gt;

1. [Adolescencia y embarazo](#)

Author(es): Moreno, Alberto

Source: Rev. colomb. obstet. ginecol;40(3)jul.-sept. 1989. tab.

LILACS - Latin American and Caribbean Health Sciences

**Abstract (spanish):** Se revisaron las historias clínicas de 596 pacientes adolescentes embarazadas que fueron atendidas en el Hospital General de Neiva y que constituyeron el 24.5 por ciento de la población de maternas, en el período de un año, comprendido entre el 15 de julio de 1987 y el 31 de mayo de 1988. Encontramos que los factores psicológicos y sociales son los más importantes en la generación de los problemas que afectan a las adolescentes en su estado gestacional. Se afirma que la relación bajo peso-edad materna y prematuridad no tiene la importancia que se le ha pretendido dar con respecto al embarazo de ... (more)

Subject(s): [Pregnancy in Adolescence/statistics & numerical data](#) [Pregnancy in Adolescence/physiology](#) [Pregnancy in Adolescence/immunology](#)  
[^0x](#)



Select Print

2. [Estudio comparativo de embarazadas adolescentes versus embarazadas adultas jóvenes en el Centro Hospital Primitivo Iglesias de la ciudad de Cali](#)

Author(es): Tovar, María; Burbano, Consuelo; Mora, Martha; Domínguez, Martha; García, Ana

Source: Rev. colomb. obstet. ginecol;38(6)nov.-dic. 1987. tab.

LILACS - Latin American and Caribbean Health Sciences

**Abstract (spanish):** Se realizó un estudio longitudinal comparando un grupo de embarazadas primigestantes menores de 18 años y otro de primigestantes adultas jóvenes entre 20 y 29 años y en ambos grupos se analizaron algunos aspectos médicos y sociales. El estudio se llevó a cabo en el Centro Hospital Primitivo Iglesias de la Ciudad de Cali. Centro destinado a la atención del bajo riesgo. En las gestantes adolescentes se presentó con



[Anesthetics, Local](#) (800)

[Postoperative Complications](#)  
(778)

[Infant, Newborn](#) (751)

[Labor, Induced](#) (751)

[HIV Infections](#) (737)

☐ Publication year

[2006](#) (4298)

[2005](#) (4290)

[2004](#) (4096)

[2003](#) (3727)

[1999](#) (3607)

[2002](#) (3327)

[2001](#) (3208)

[2000](#) (3207)

[1998](#) (3187)

[1997](#) (2988)

[1995](#) (2938)

[1996](#) (2838)

[1994](#) (2701)

[2007](#) (2113)

[1993](#) (1977)

[1992](#) (1826)

[1990](#) (1743)


[1991](#) (1692)

[1989](#) (1609)

[1988](#) (1312)

conductas de prevención y riesgo respecto al SIDA. Los resultados, obtenidos mediante diferentes modelos de regresión lineal, mostraron que la actitud de los compañeros p... (more)

Subject(s): [Parent-Child Relations](#) [Sexual Behavior/psychology](#) [Adolescent](#)

☆ Select  Print

4. [Tabaquismo y Embarazo / Nicotinism and pregnancy](#)


Author(es): Martínez, Inés; Donato, Vicente; Hasper, Isidoro

Source: Rev. argent. torax;61(1/4): 9-14, dez. 2000.

LILACS - Latin American and Caribbean Health Sciences

Abstract (spanish): Los efectos deletéreos del tabaquismo durante el embarazo son conocidos. Con el objeto de conocer las características del tabaquismo en n población de embarazadas que concurren al Sanatorio Municipal Dr. Julio Méndez se realizó una encuesta anónima...La gestación fue una motivación significativa para modificar la conducta adictiva con el tabaco en la población estudiada, pero esta motivación se vió perjudicada por la convivencia con fumadores del 54 por ciento de las embarazadas que modificaron su adicción tabáquica por causa del embarazo. Debería aumentarse la información respecto a los e... (more)

Subject(s): [Smoking/adverse effects](#) [Pregnancy](#) [Tobacco Smoke Pollution](#) [Data Collection](#) [Health Surveys](#) [Random Allocation](#)

☆ Select  Print

5. [Tratamiento médico del embarazo ectópico / Medical treatment of the ectopic pregnancy](#)


Author(es): Bueno N., Francisco; Sáez C., Jaime; Ocaranza Banda, Myriam; Conejeros R., Carolina; Vaccarezza P., Italo; Soto R., Emiliano

Source: Rev. chil. obstet. ginecol;67(3): 173-179, 2002. tab

LILACS - Latin American and Caribbean Health Sciences

Abstract (spanish): Se presenta el resultado de 21 casos de embarazo ectópico (EE) no complicados que fueron tratados con metotrexato y manejo expectante, desde enero 2000 a marzo de 2001. Objetivos: Conocer la incidencia de EE en nuestro servicio, evaluar la efectividad del tratamiento médico, y efectuar estudio de costos comparando tratamiento médico versus quirúrgico. Material y métodos: Estudio prospectivo de 21 casos de EE no complicados hospitalizados en la unidad de alto riesgo, 13 casos manejados con metotrexato parenteral y 8 casos con manejo expectante. Resultados: En 3 casos se requirió resolución qui... (more)

Subject(s): [Pregnancy, Ectopic/drug therapy](#) [Methotrexate/pharmacology](#) [Parenteral Nutrition](#) [Laparotomy](#) [Pregnancy, High-Risk](#) [Prospective Studies](#) [Health Care Costs](#) [Pregnancy, Ectopic/surgery](#) [Pregnancy, Ectopic/economics](#) [Chorionic Gonadotropin, beta Subunit, Human/pharmacology](#)

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6. [Conduta na gestação pós-termo / Management of postterm pregnancy](#)

Author(es): Sá, Renato Augusto Moreira de; Lopes, Laudelino Marques; Chaves Netto, Hermógenes

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(785)[Anesthetics, Local](#) (777)

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1. [Adolescencia y embarazo](#)

Author(es): Moreno, Alberto

Source: Rev. colomb. obstet. ginecol;40(3)jul.-sept. 1989. tab.

LILACS - Latin American and Caribbean Health Sciences

**Abstract (spanish):** Se revisaron las historias clínicas de 596 pacientes adolescentes embarazadas que fueron atendidas en el Hospital General de Neiva y que constituyeron el 24.5 por ciento de la población de maternas, en el período de un año, comprendido entre el 15 de julio de 1987 y el 31 de mayo de 1988. Encontramos que los factores psicológicos y sociales son los más importantes en la generación de los problemas que afectan a las adolescentes en su estado gestacional. Se afirma que la relación bajo peso-edad materna y prematuridad no tiene la importancia que se le ha pretendido dar con respecto al embarazo de ... ([more](#))

Subject(s): [Pregnancy in Adolescence/statistics & numerical data](#) [Pregnancy in Adolescence/physiology](#) [Pregnancy in Adolescence/immunology](#)  
[^0x](#)



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2. [Estudio comparativo de embarazadas adolescentes versus embarazadas adultas jóvenes en el Centro Hospital Primitivo Iglesias de la ciudad de Cali](#)

Author(es): Tovar, María; Burbano, Consuelo; Mora, Martha; Domínguez, Martha; García, Ana

Source: Rev. colomb. obstet. ginecol;38(6)nov.-dic. 1987. tab.

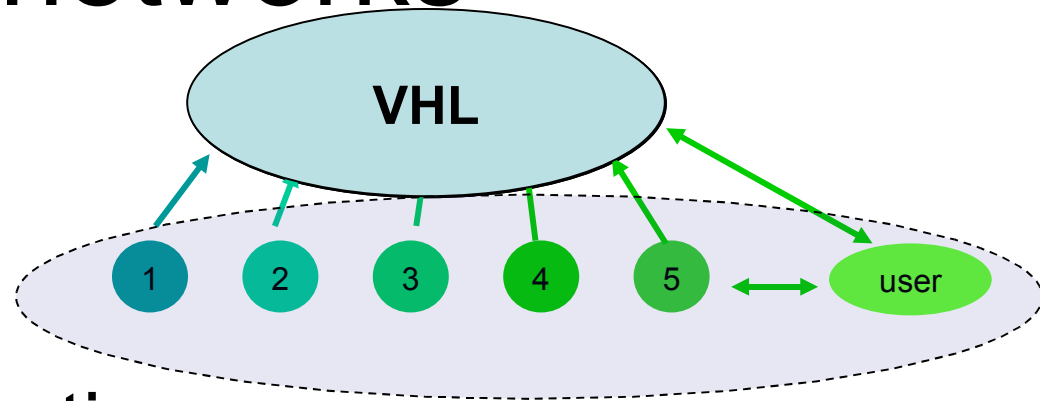
LILACS - Latin American and Caribbean Health Sciences

**Abstract (spanish):** Se realizó un estudio longitudinal comparando un grupo de embarazadas primigestantes menores de 18 años y otro de primigestantes adultas jóvenes entre 20 y 29 años y en ambos grupos se analizaron algunos aspectos médicos y sociales. El estudio se llevó a cabo en el

## 3 VHL dimensions

### 3 learning and informed environment networks

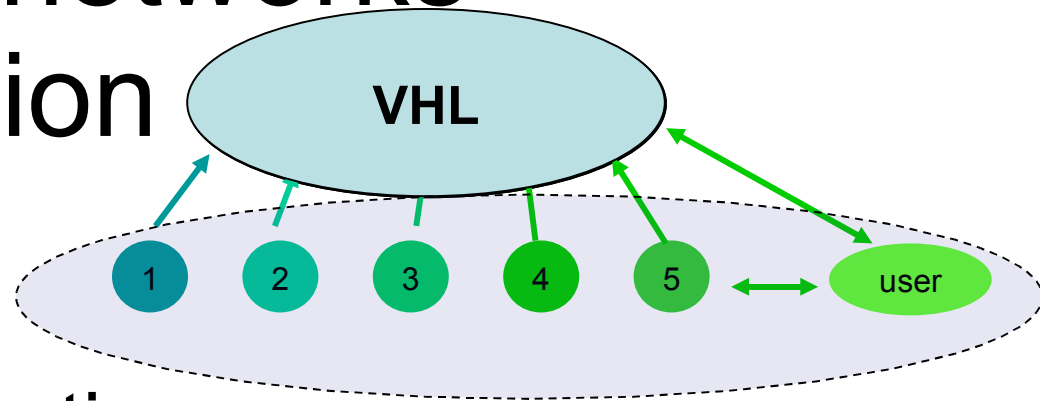
environments in  
which prevail  
the sharing of information,  
experiences, and knowledge  
collaborative spaces [on-line]

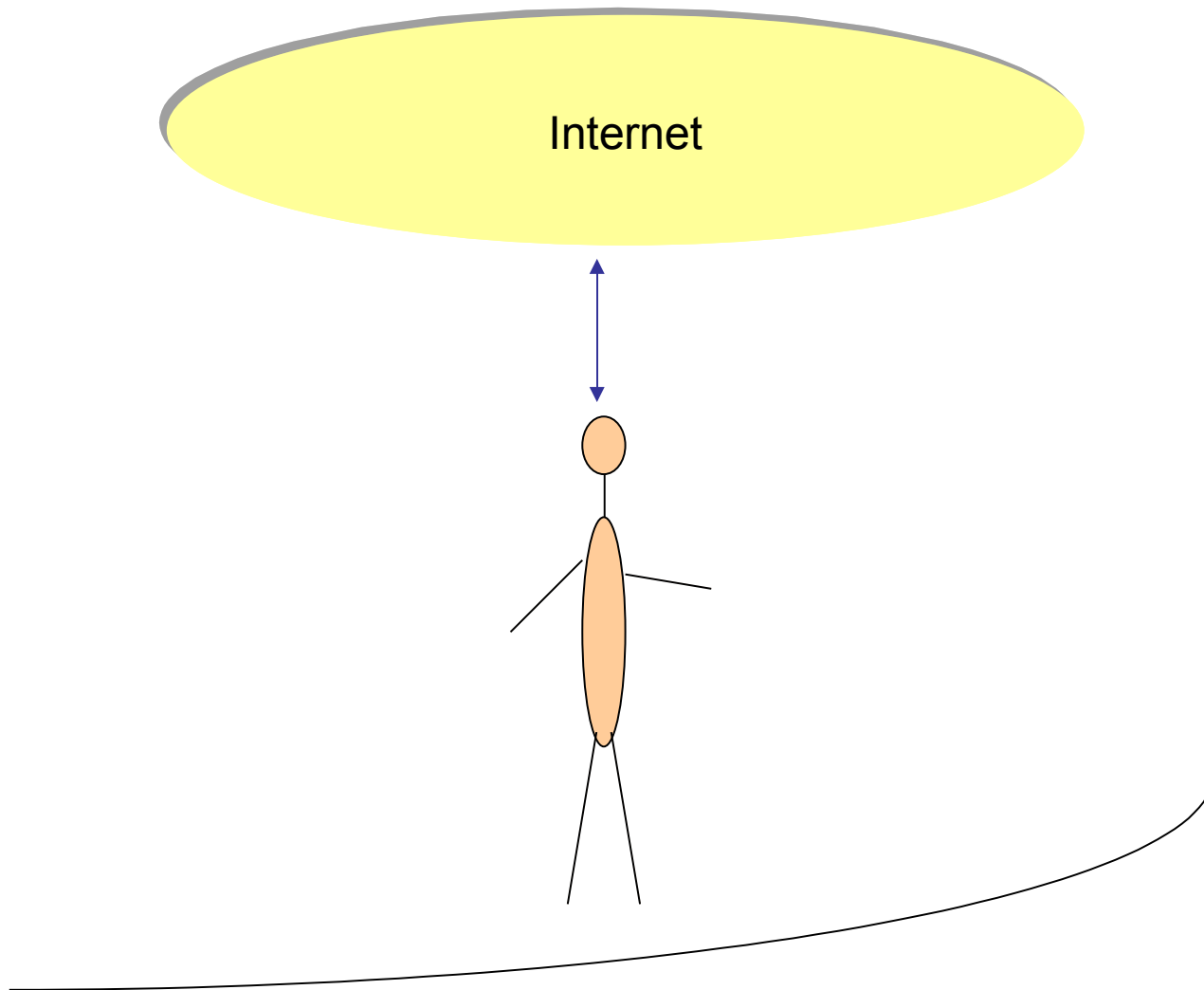


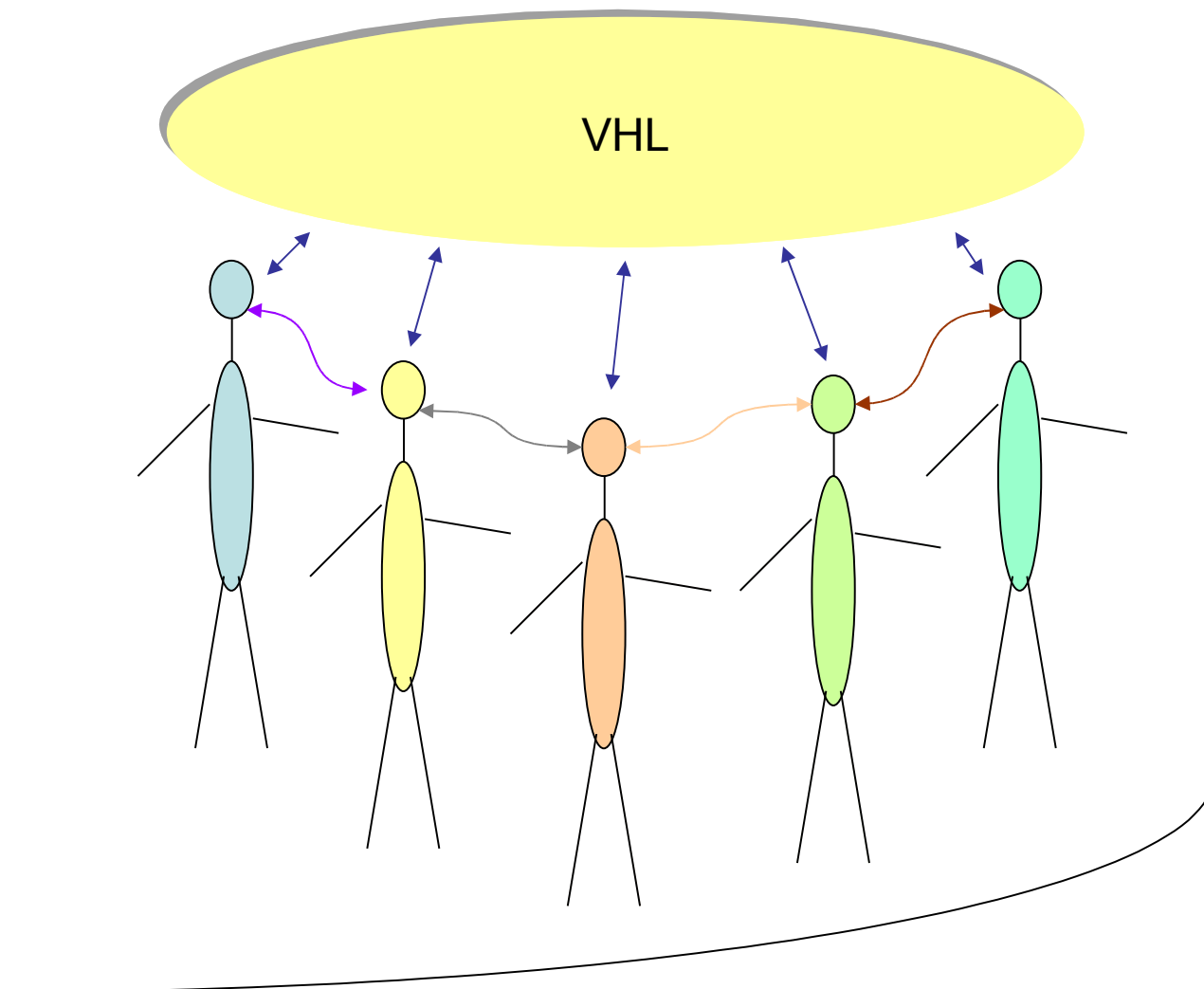
## 3 VHL dimensions

# 3 learning and informed environment networks maximize inclusion

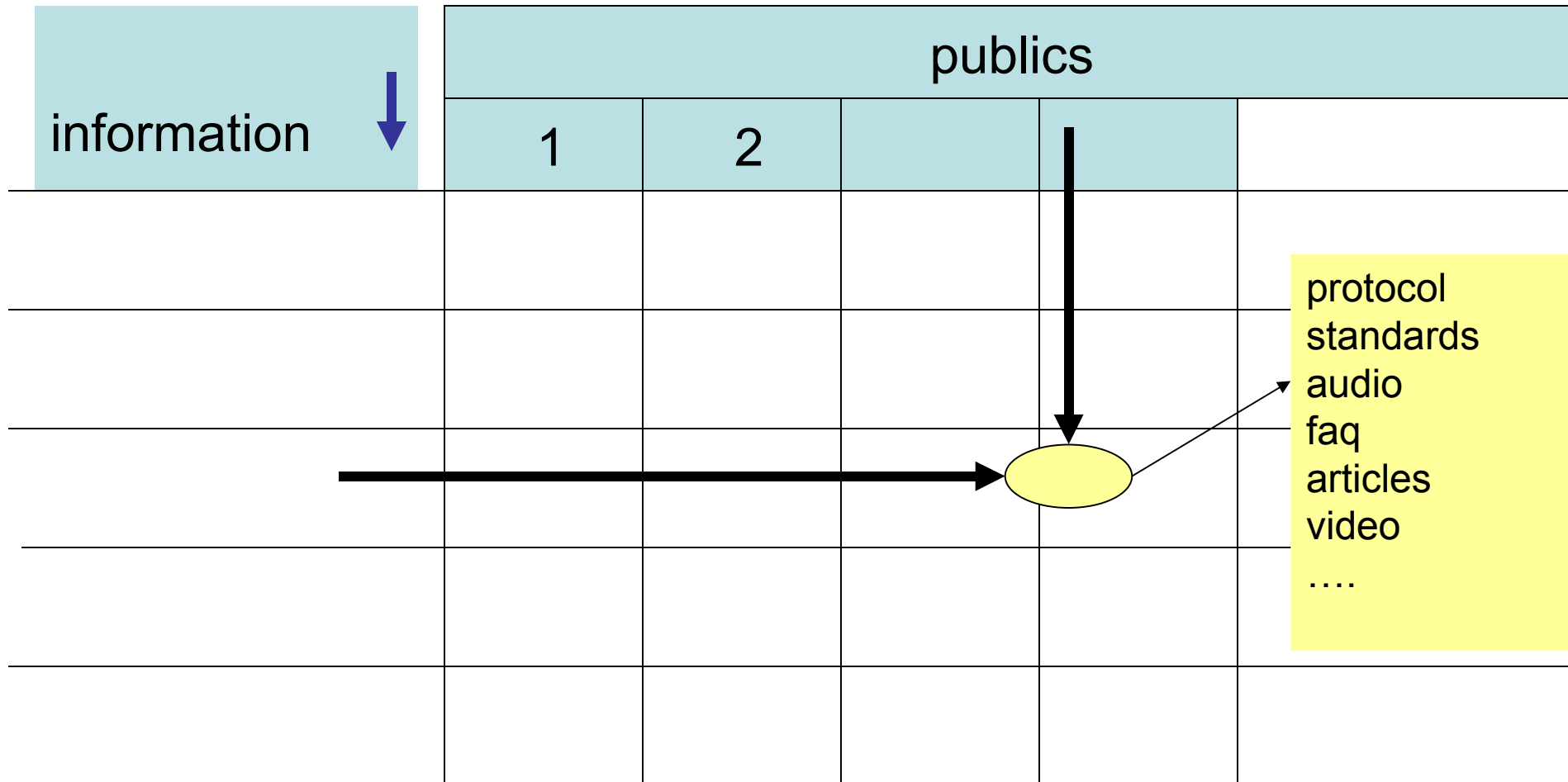
environments in  
which prevail  
the sharing of information,  
experiences, and knowledge  
collaborative spaces [on-line]







**Challenges:** contextualizing the information sources  
development of sustainable local information flows



## Lines of action for the management and development of Learning and Informed Environments in the VHL context

humanized environment, that stimulates the mutual confidence and appropriation of the history, culture, and mission of the organization

on-line operation scientific, technical and factual information sources

communication, virtual communities and communities of practice

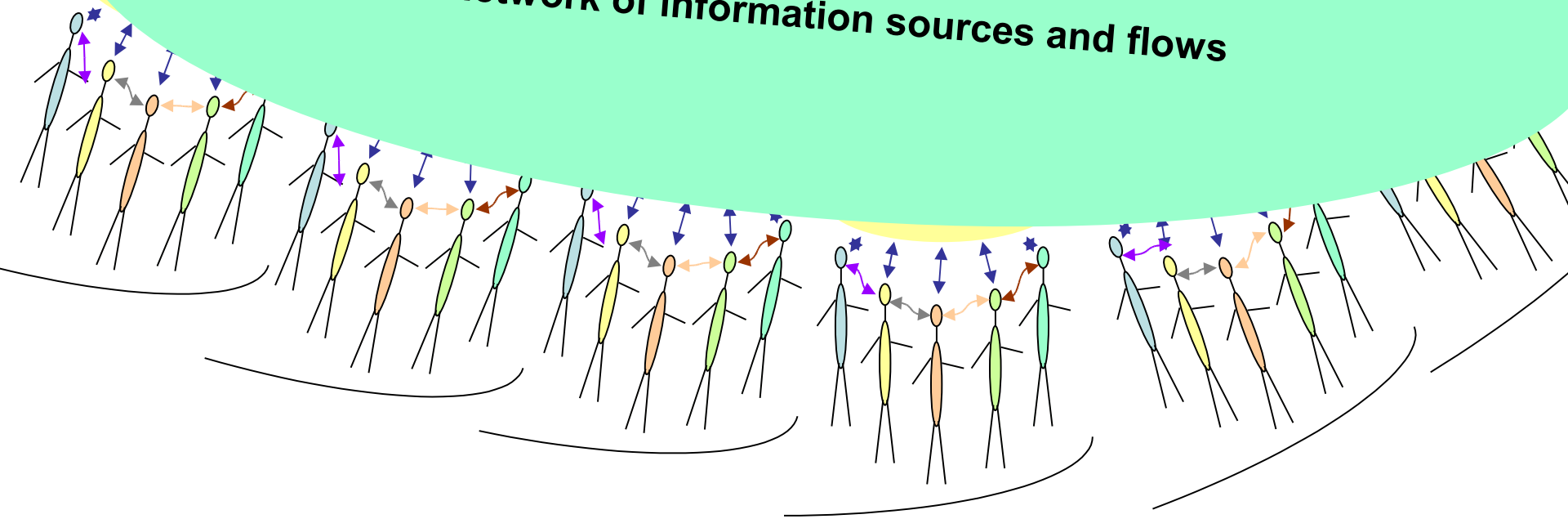
network operation of projects and processes - identified, formalized and whenever possible networked operated

development of human resources, favoring network based learning and aiming to increase the capacity of action

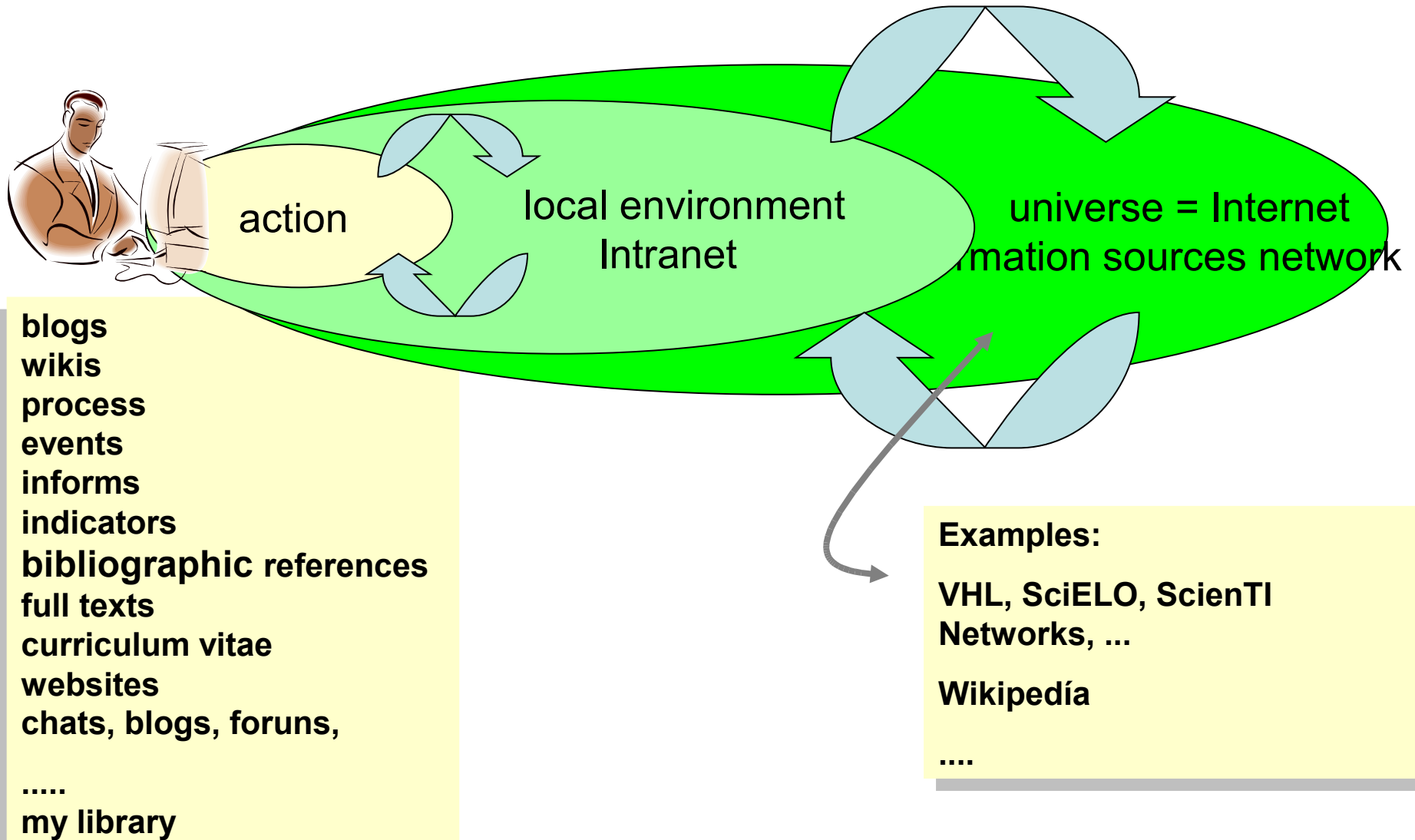
network communication with external environments



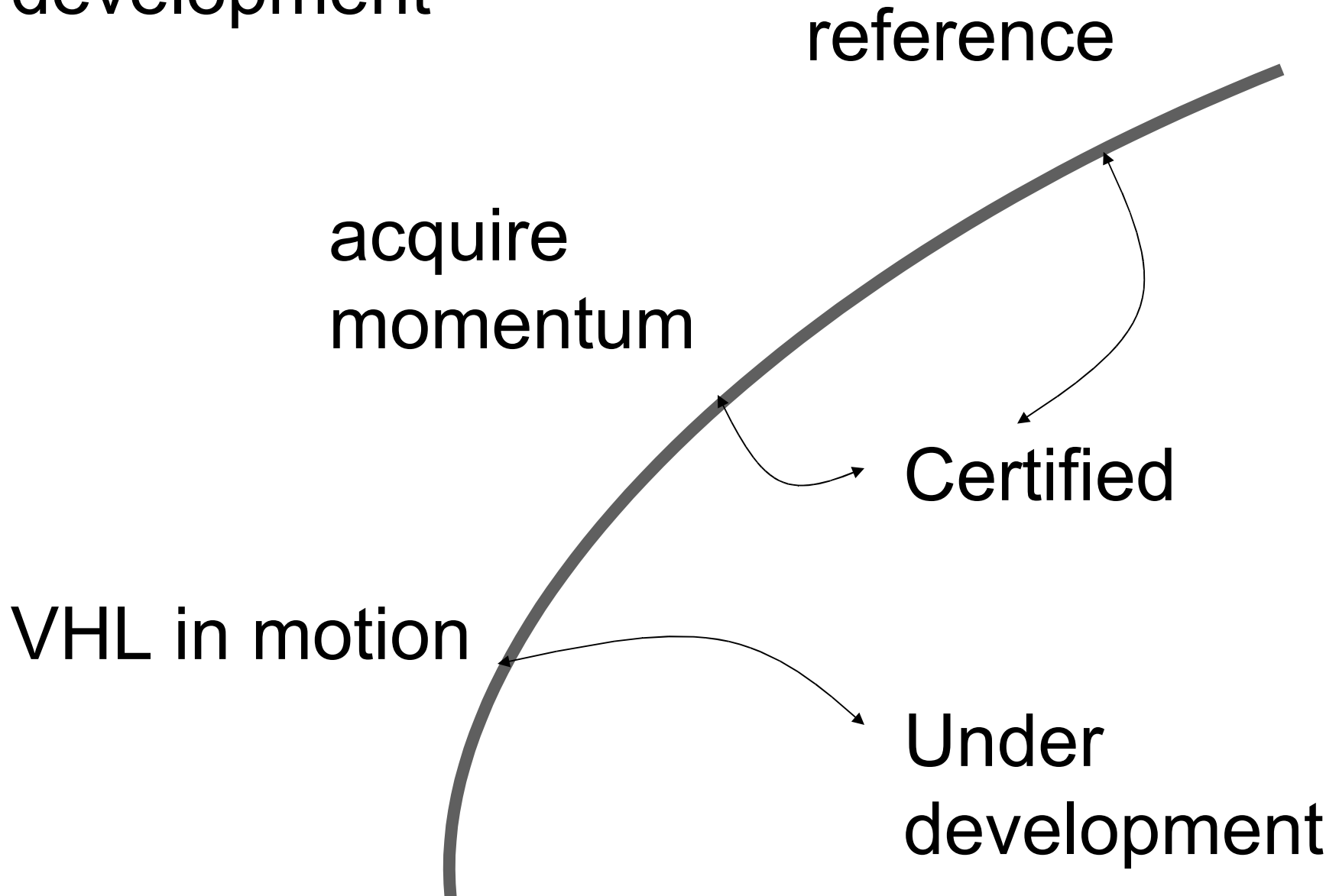
**VHL**  
**Network of information sources and flows**



# Maximizing the individual work by using network technology to aggregate information on the web

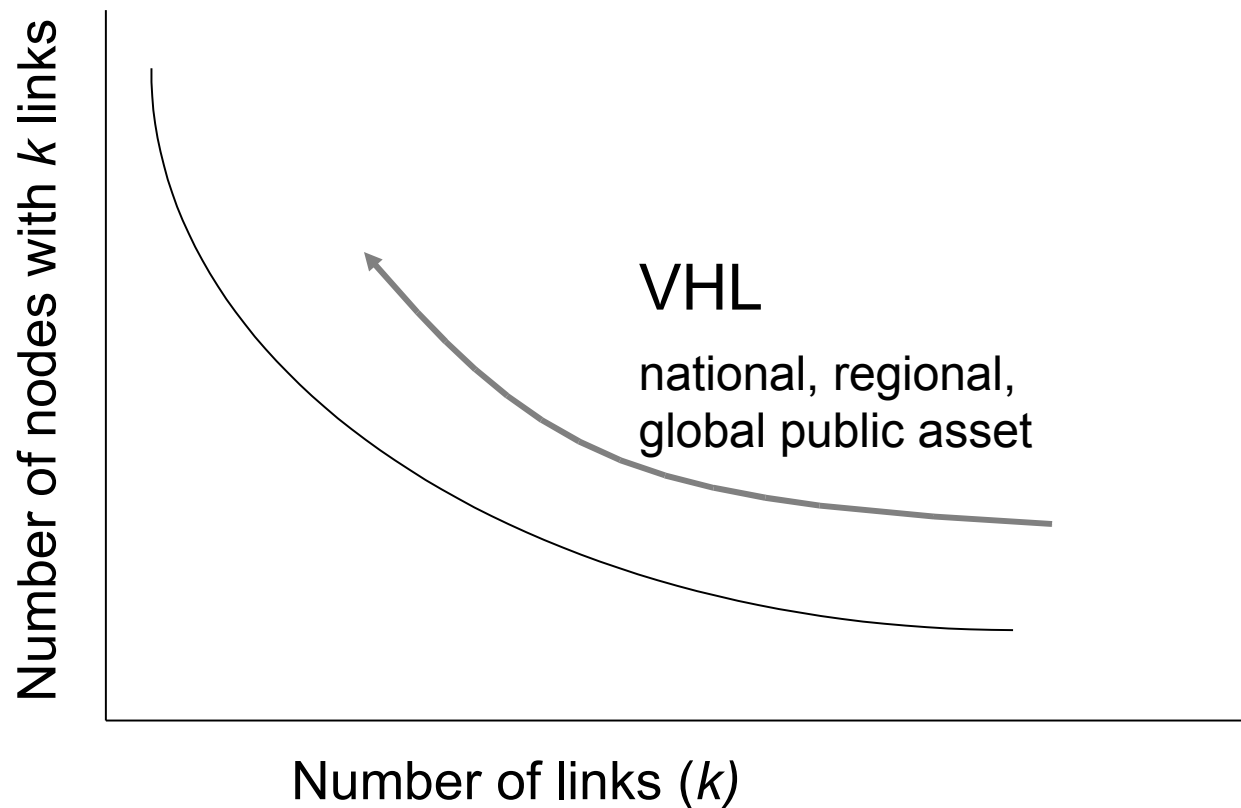


# Three periods of development



# Albert-László Barabási – Linked: The new science of networks

The complex web net – links are distributed according to the rule 80/20 or by a *power law distribution*-



# Challenges

increase the VHL coverage, particularly within the health systems and services as well as contents to the general public

empower health workers with knowledge and information management – publication, access and critical reading.

maximize the publication of evidences to support decision making process

distance education – support and application

development of learning and informed environments

promotion of national and institutional policies on scientific information

strengthening the open access movement - product, services and events as public goods

advanced management of intellectual rights and copyright

advancing with appropriate technologies



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[Mexico has a Collaborating Center for the WHO Family of International Classifications](#)

[Brazilian CSDH publishes final report](#)

Thank you!