

**Who pay's....**



**the Ferryman ?**



# Information access in the virtual scientific environment

---

Prof. M.M.Chanowski

Why are only some of us recognizing  
the fundamental changes in communication

The effects on Publishing

The effects on Publishers

The effects on writing

The effects on communication technology



1450

1995

Evolution



past

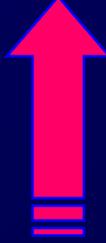
future

document era

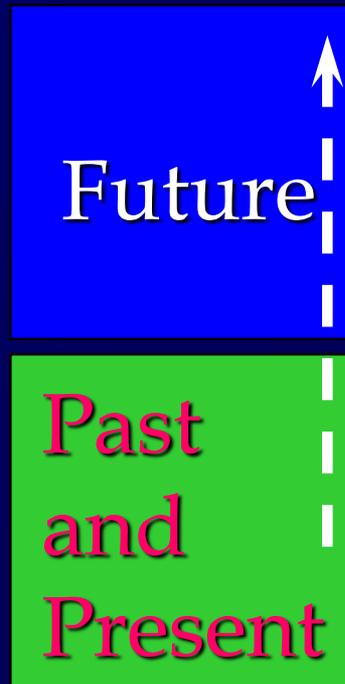
Digital era

Revolution

Revolution



# Evolution

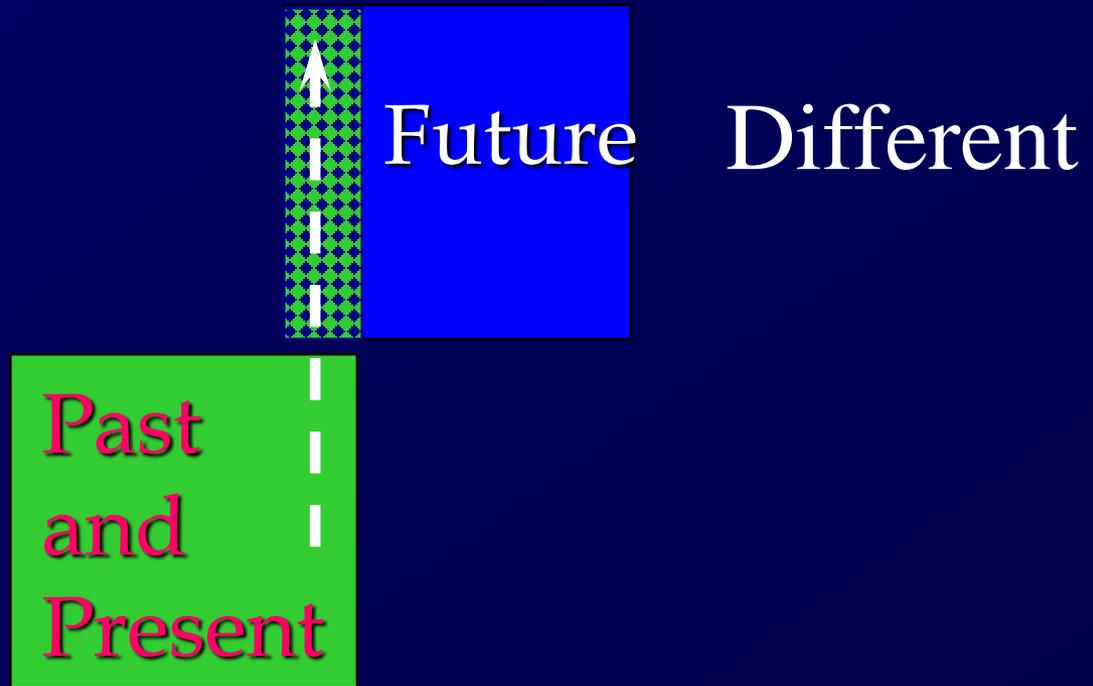


More of the same ?

If you always do what you always did,  
you will always get what you always got.

Albert Einstein

# Revolution

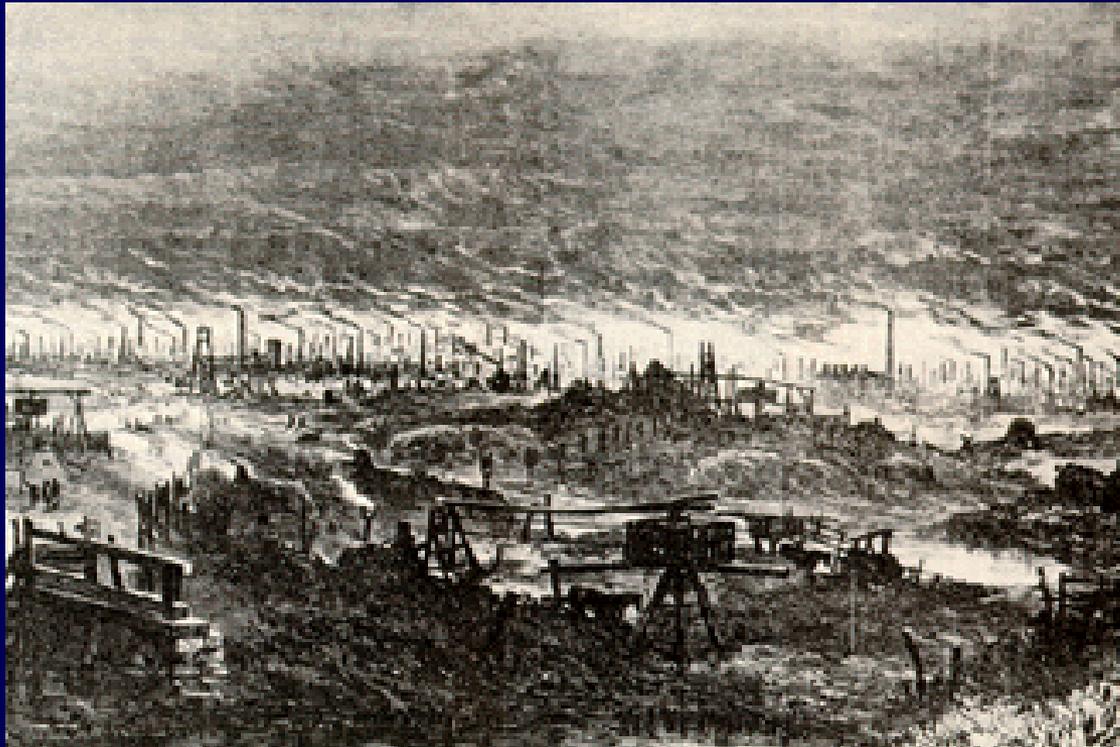


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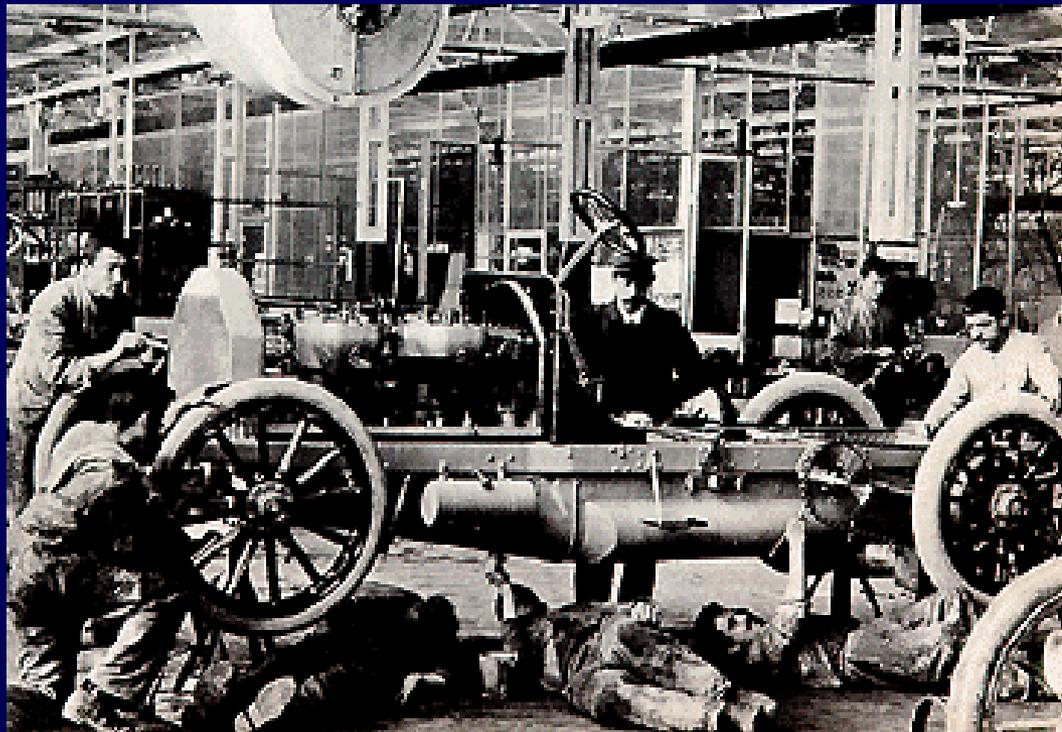
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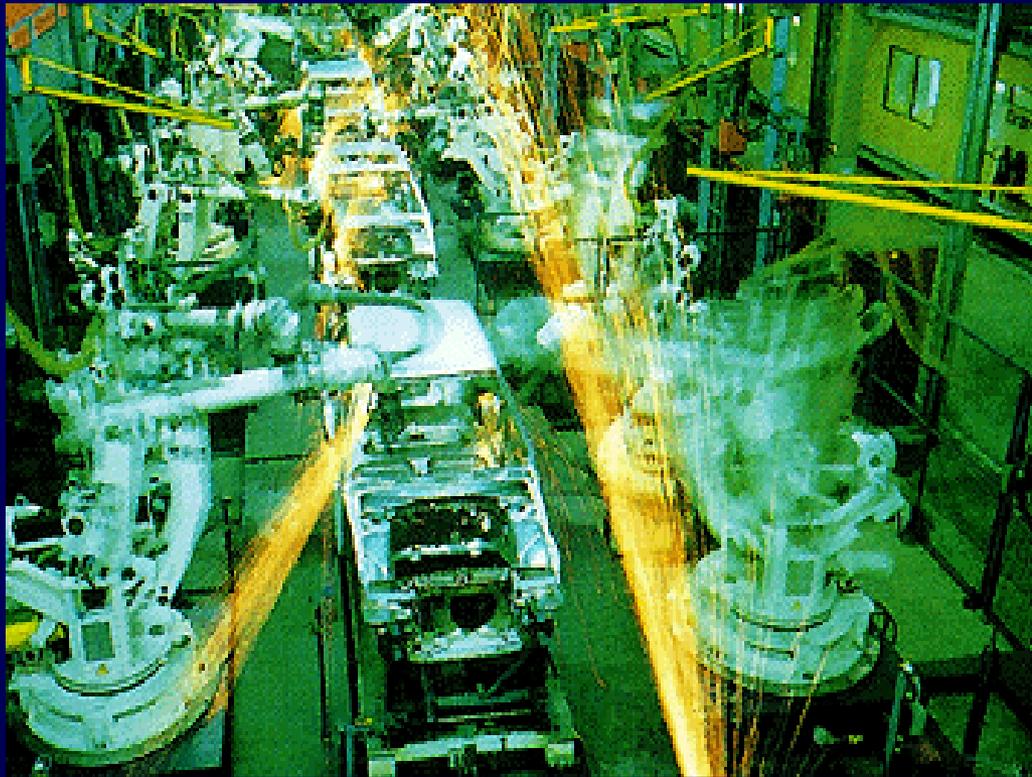
1790



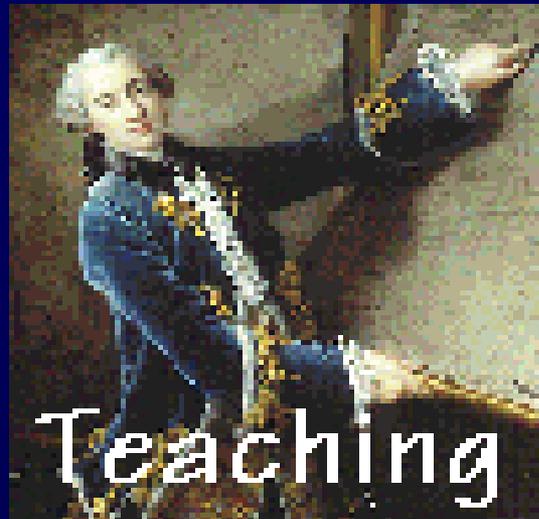
1920



2002



1790



1890



1970



2003



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 chickenpox vaccin  
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(Sparc strives to return science  
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# Sally Morris

(Assoc.of Learned and Professional Science Publishers)



‘The open Access initiatives will undermine existing journals without replacing them’

‘...the peer review process should not be underestimated

# Creative Science

## **The Late Sir Fred Hoyle (1915-2001)**

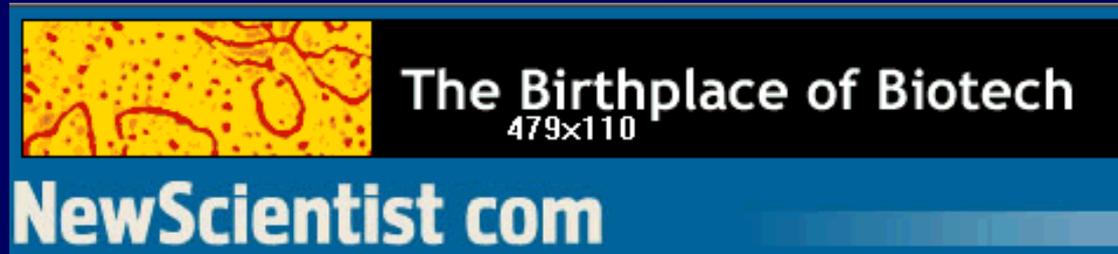
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## **Biography**



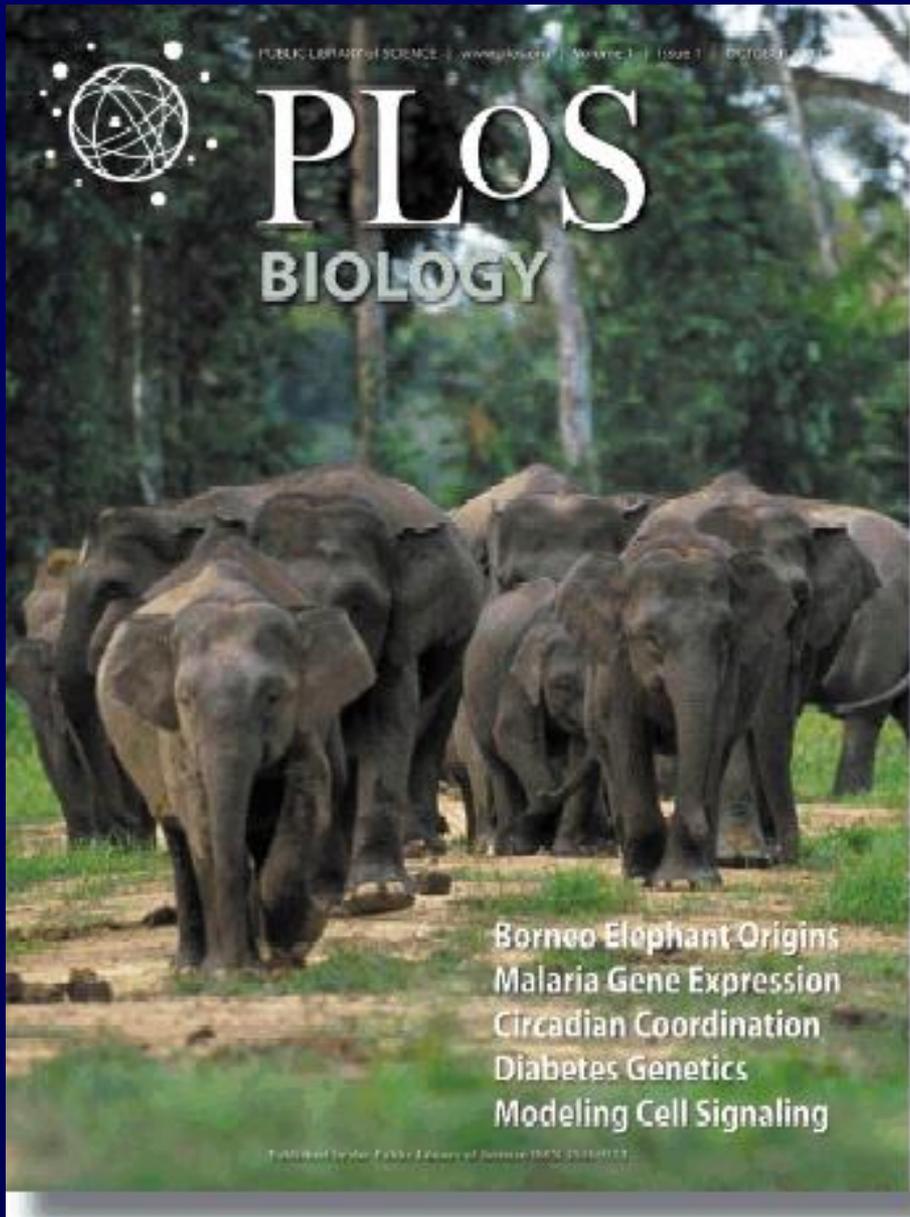
The late Sir Fred Hoyle, a world-renowned astronomer, is acknowledged to have been one of the most creative scientists of the 20th century. He has held the position of Plumian Professor of Astronomy at Cambridge University, and was also the founder of the Institute of Astronomy at Cambridge. He was an Honorary Fellow of both Emmanuel College and St. John's College Cambridge and an Honorary Professor at Cardiff University of Wales.

# João Magueijo



‘Peer review doesn’t mean anything.  
The system has been disintegrating for years

Magueijo finds it difficult to conceal his contempt for the reports written by referees that are at the heart of peer review. For him they are "often empty of scientific content and reflect nothing but the authors' social standing, or their good or bad relations with the referee".



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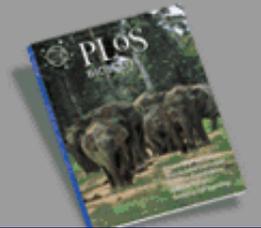
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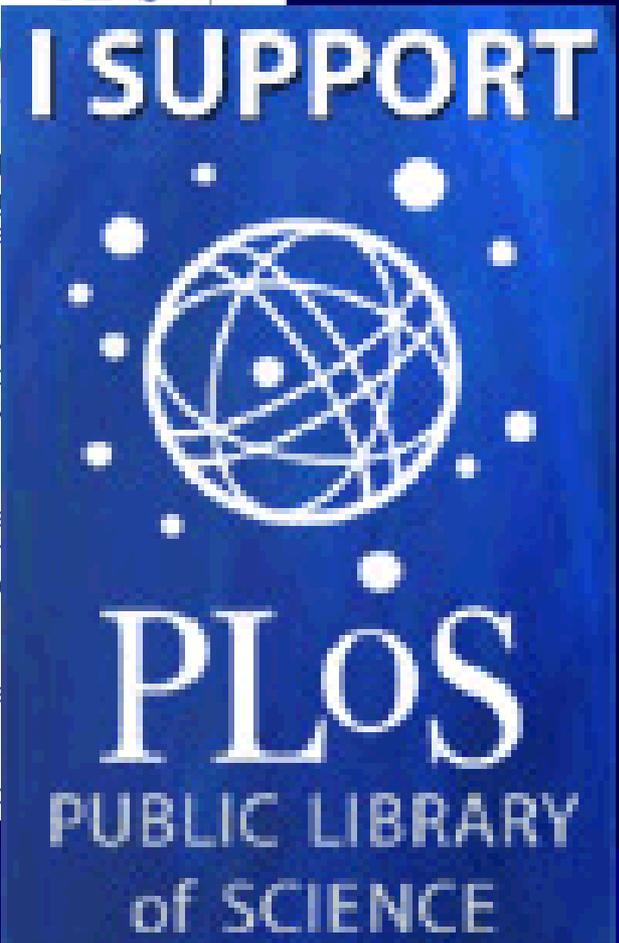


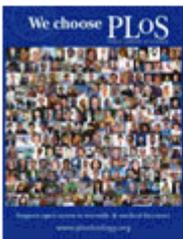
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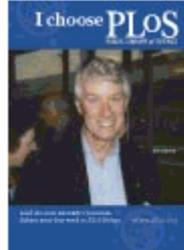
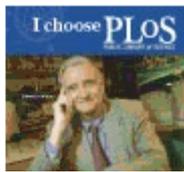
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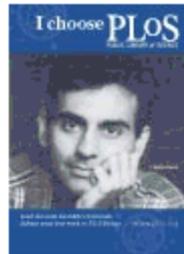
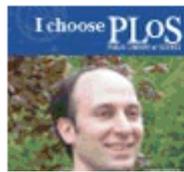




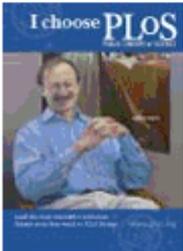
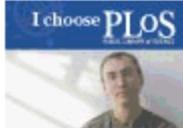
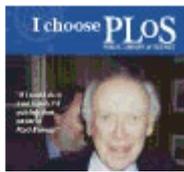
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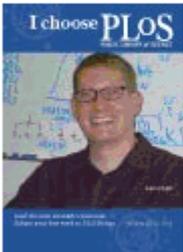
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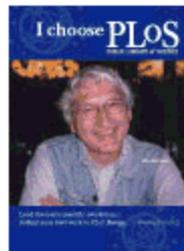
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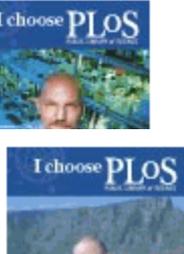
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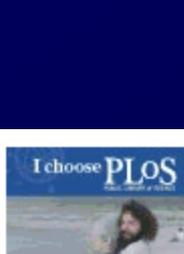
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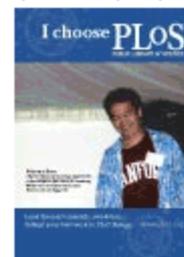
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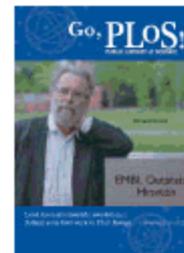
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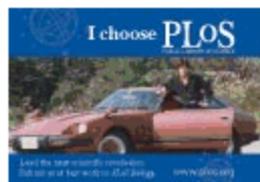
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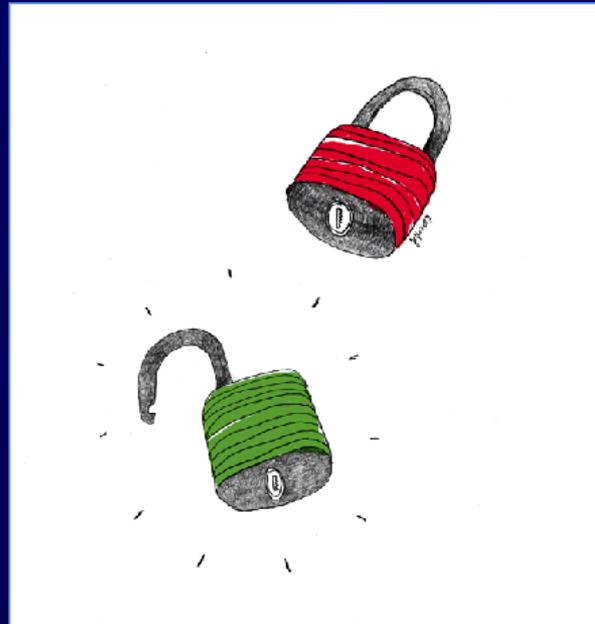
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# Individualism



# Who needs the Ferryman ?



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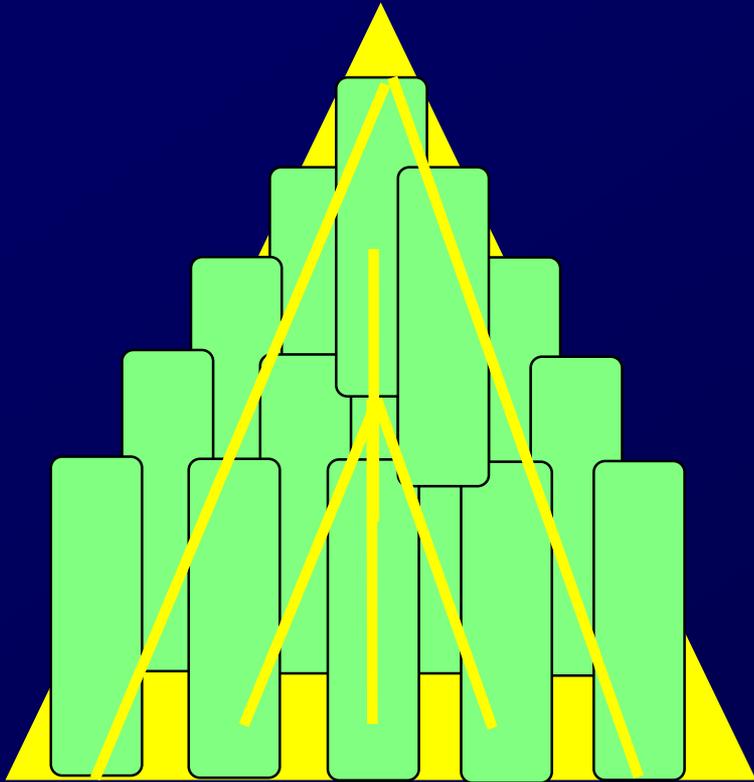
the Author

wants exposure

The 'User'

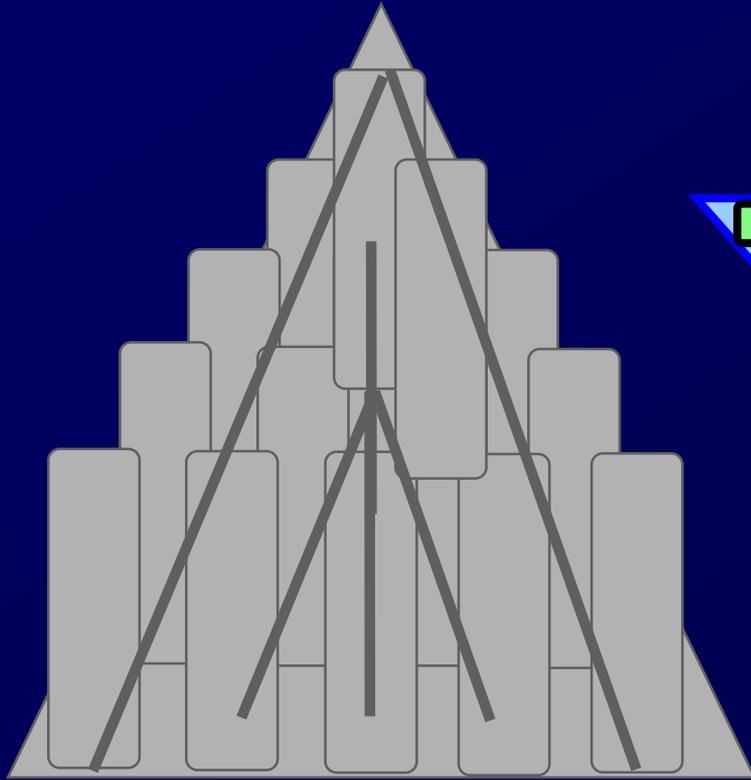
wants quality  
and retrievability

# Hierarchy Power Structure



Hierarchy

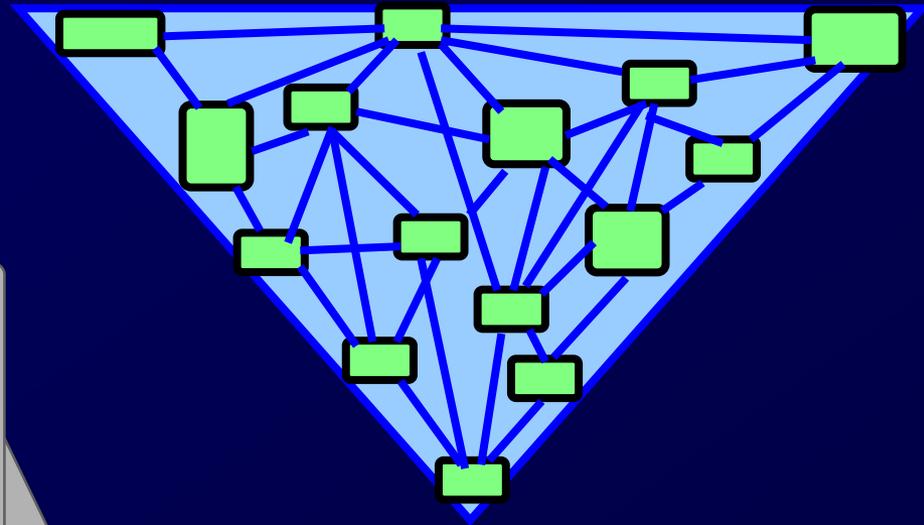
Power  
Structure



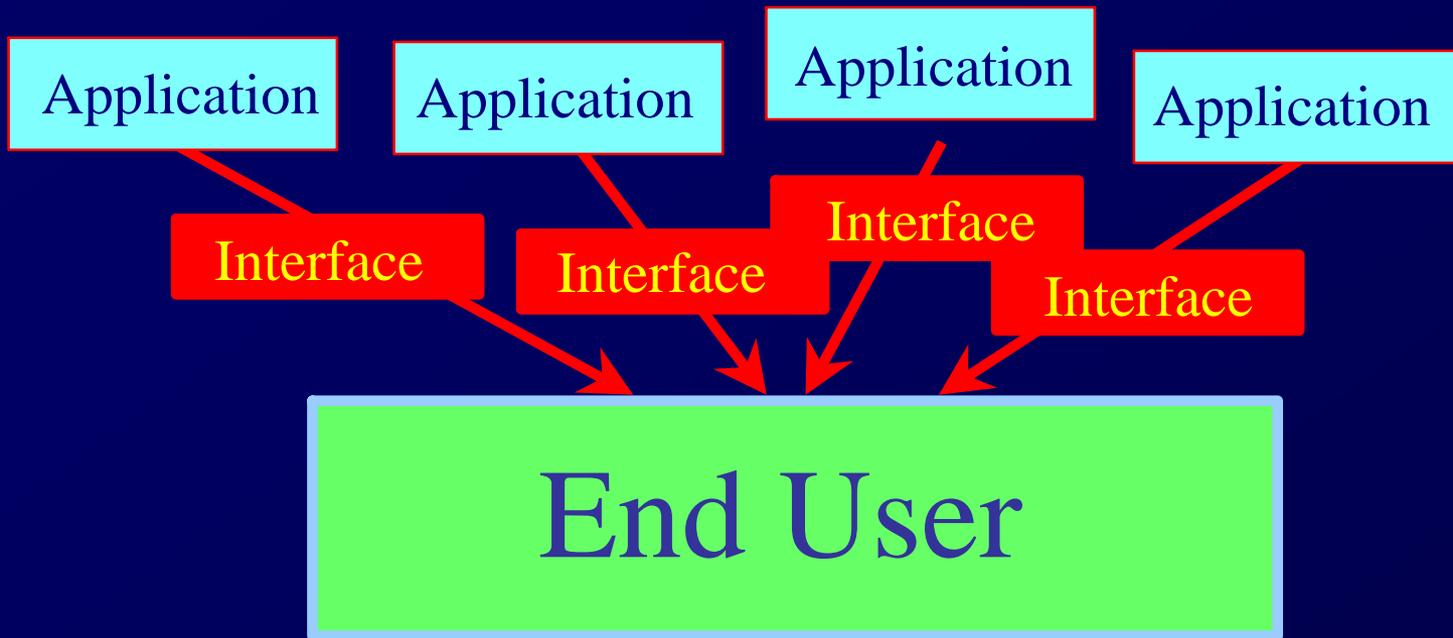
Push

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Vision  
Unstructured



Pull



Begin User

Interface

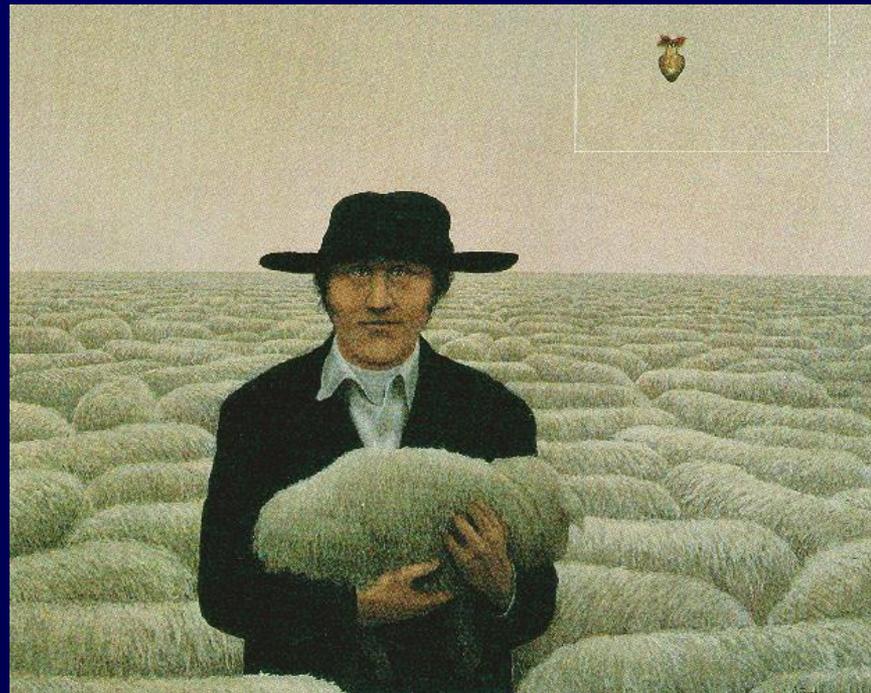
Engine

Engine

Engine

Engine

Finding the right answer  
at the right place  
at the right moment





9-7-'97

LPC20

Hai,  
 Ik zit hier nu in het indianendorpje Cherokee, dit ligt in de Appalachen, USA. Ik reis nu met 2 families in 2 campers 5 weken lang in Amerika. Het is vandaag de 10<sup>e</sup> dag. De 1<sup>e</sup> 4 dagen waren we in New York en dat was echt super! We reden waarden ik deze kaart heb gekocht is omdat de Indianen die op de voorgrond te zien is, een goede vriend van me is geworden. Hij reist de komende weken met ons mee, omdat hij onder moet denken voor de zeer gewaardeerde APACHEES dus als ik mij een vraag of ik een overtuiging heb in het land? Dan zou ik antwoorden: "Ja, ik heb er eindelijk zijn. Over 2 weken zullen we weer schijnen in Orlando, Florida en daar had Chief Joseph (zo heet de Indianen) mij de grootste disscussie in Amerika zien. Dus als ik mij een vraag of ik Chief Joseph, The Nez Perce Leader (ook bekend als Chief Joseph, or Hin-Mah-Too-Yah ("Thunder Traveling to Loftier Mountain Heights"), was a hereditary chief of the Nez Perce. In 1877, Chief Joseph surrendered with these now-famous words: "From where the sun now stands, I will fight no more forever." Photographed in 1907 by Edward S. Curtis (#LC-USZ62-2086)

Cherokee, dit ligt in de Appalachen, USA. Ik reis nu met 2 families in 2 campers 5 weken lang in Amerika. Het is vandaag de 10<sup>e</sup> dag. De 1<sup>e</sup> 4 dagen waren we in New York en dat was echt super! We reden waarden ik deze kaart heb gekocht is omdat de Indianen die op de voorgrond te zien is, een goede vriend van me is geworden. Hij reist de komende weken met ons mee, omdat hij onder moet denken voor de zeer gewaardeerde APACHEES dus als ik mij een vraag of ik een overtuiging heb in het land? Dan zou ik antwoorden: "Ja, ik heb er eindelijk zijn. Over 2 weken zullen we weer schijnen in Orlando, Florida en daar had Chief Joseph (zo heet de Indianen) mij de grootste disscussie in Amerika zien. Dus als ik mij een vraag of ik Chief Joseph, The Nez Perce Leader (ook bekend als Chief Joseph, or Hin-Mah-Too-Yah ("Thunder Traveling to Loftier Mountain Heights"), was a hereditary chief of the Nez Perce. In 1877, Chief Joseph surrendered with these now-famous words: "From where the sun now stands, I will fight no more forever." Photographed in 1907 by Edward S. Curtis (#LC-USZ62-2086)

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GREETINGS

Yin Yin,  
just found out about aiga thing ?  
By the long time no see.  
I was talking with Lauralee Albee  
last night and she mentioned that  
she is going to speak in Boston at  
a three day Aiga Design conference  
in december and that you are going too.  
The Conferense sounds interesting ?  
Can you do me a favour and saend me  
some information.  
Hope to talk to you soon.  
Jane

# Temporal Typography





22 CASEMIX, Volume 4, Number 1, 31st March 2002

DEVELOPMENT OF A DRG SYSTEM FOR OUTPATIENT PROCEDURES (NORDDRG-0)

Mats Fernström

Centre for patient classification systems, The National board of health and welfare  
SE-106 30 Stockholm, Sweden, e mail Mats.Fernstrom@sos.se

This paper has been presented at the 17th PCS/E Conference in Brugge, Belgium, October 2001

SUMMARY

NordDRG is a common DRG system for the Nordic countries, based on the HCFA DRG system.  
DRGs are intended for grouping inpatients but some County Councils in Sweden are using DRG  
also for grouping surgical outpatients, so called "day surgery". The grouping then often leads to a  
variety of conservative DRGs who are meaningless for describing surgery and a need for a better  
grouping system for these patients is obvious. The Swedish Centre for patient classification systems  
is developing a DRG system (NordDRG-0) based on the logic of NordDRG but intended for "day  
surgery" and other outpatient procedures like endoscopies. The work is still in progress but the  
paper presents the considerations during the development process. Some of the main principles are  
that all conservative groups and all complicated groups have been omitted resulting in a low  
number of groups. Approx. 45 new DRGs for endoscopies and minor procedures have been  
suggested. The new system will probably be available in the autumn 2002.

KEYWORDS: DRG, Classification, Procedures

BACKGROUND

NordDRG was developed in the middle of the nineties as a common DRG system for the Nordic  
countries, based on the HCFA DRG system.<sup>1</sup> DRGs are intended for grouping inpatients but some  
County Councils in Sweden are using DRG also for grouping surgical outpatients, sometimes called "day  
surgery". The experience from Sweden is that NordDRG quite well describes "day surgery" in 50-60  
percent of the cases and that is when the performed procedure is an operating room procedure (OR). The  
grouping then leads to the same surgical DRGs as for inpatients. In the rest of the so called "day surgery"  
patients the procedures are minor and usually not significant as cost drivers in inpatient setting. Logically  
they do not, and must not, affect the grouping of inpatients. Therefore, when NordDRG now is used for  
outpatients, the grouping often leads to a variety of conservative DRGs that are meaningless for  
describing "day surgery". There is obviously a need for a better grouping system for these patients.

THE AIM OF THE PROJECT

The aim of this project at the Swedish Centre for patient classification systems (CPK) is to construct a  
grouping system based on the logic of NordDRG but intended for "day surgery", including minor  
surgical procedures, and endoscopies, e.g. colonoscopy. Endoscopies are certainly not "surgery" but they  
often cost as much as a smaller operation and they are frequent procedures in many clinics. The reason  
way the work is based on NordDRG is twofold, firstly there is a strong request for following the  
development in surgery both in inpatient and outpatient settings, secondly the use of the standard

Incorrect sequencing of principal diagnosis code	255	2.7%	97.3%
Procedure code omitted per operative report present	53	0.6%	99.4%
Procedure code omitted, information unavailable at time of coding	10	0.1%	99.9%
Unclear or insufficient physician documentation	417	4.4%	95.6%
Physician disagrees with coding or sequencing official guidelines	0	0.0%	100.0%
Data entry error	28	0.3%	99.7%

\*CC= DRG-defined Complications or Comorbidities

Casemix Systems

Since 1983, reimbursement for provision of inpatient medical care for certain types of patients (e.g., Medicare) in the United States has been based on DRGs. Subsequently, there has been an increased use of DRGs as a reimbursement mechanism by other payers as well, including managed care Organisations. Some states mandate use of other casemix methodologies to risk adjust clinical data. A few systems require data collection beyond the minimum Uniform Hospital Discharge

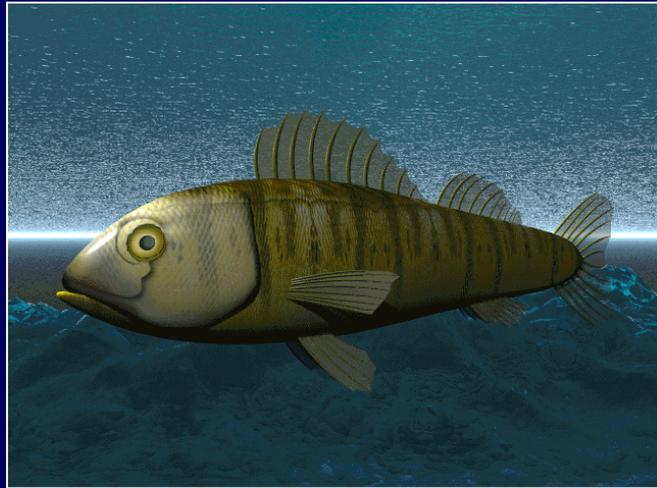
# Header

Data Set (UHDDS). Several multi-hospital Organisations, universities, and researchers apply the automated version of Disease Staging to their UHDDS data to adjust for clinical patient factors. Various other casemix methodologies are used in non-acute hospital settings.

Data Quality Issues

In the United States, there is great emphasis on correct coding. Clinical coding must be reliable, valid, complete, and timely<sup>13</sup>. Clinical data quality depends on the quality of medical documentation. Complex clinical documentation, inexperienced coding personnel, and illegible handwritten medical record entries all contribute to inaccurate classification. Errors in data, whether deliberate or accidental, have cost payers of healthcare services billions of dollars. A 1996 study of coding accuracy by the New Jersey Hospital Association is encouraging. Previous studies have shown accuracy rates as low as 80-88%. The New Jersey study of 126 separate audits in 33 hospitals showed accuracy rates between 95% and 100% for specific coding guidelines. Table 1 presents various the number and percent of error types for the 1,706 coding errors found, and shows the calculated accuracy rates for the various coding guidelines<sup>14</sup>. The U.S. federal government enacted the Health Insurance Portability and Accountability Act (HIPAA) in 1996. This legislation seeks to reduce

I don't know who discovered water



but it could not have been a fish

The E-user comes from a  
different culture

He or she wants information without:

pre-knowledge

thresholds

visible costs

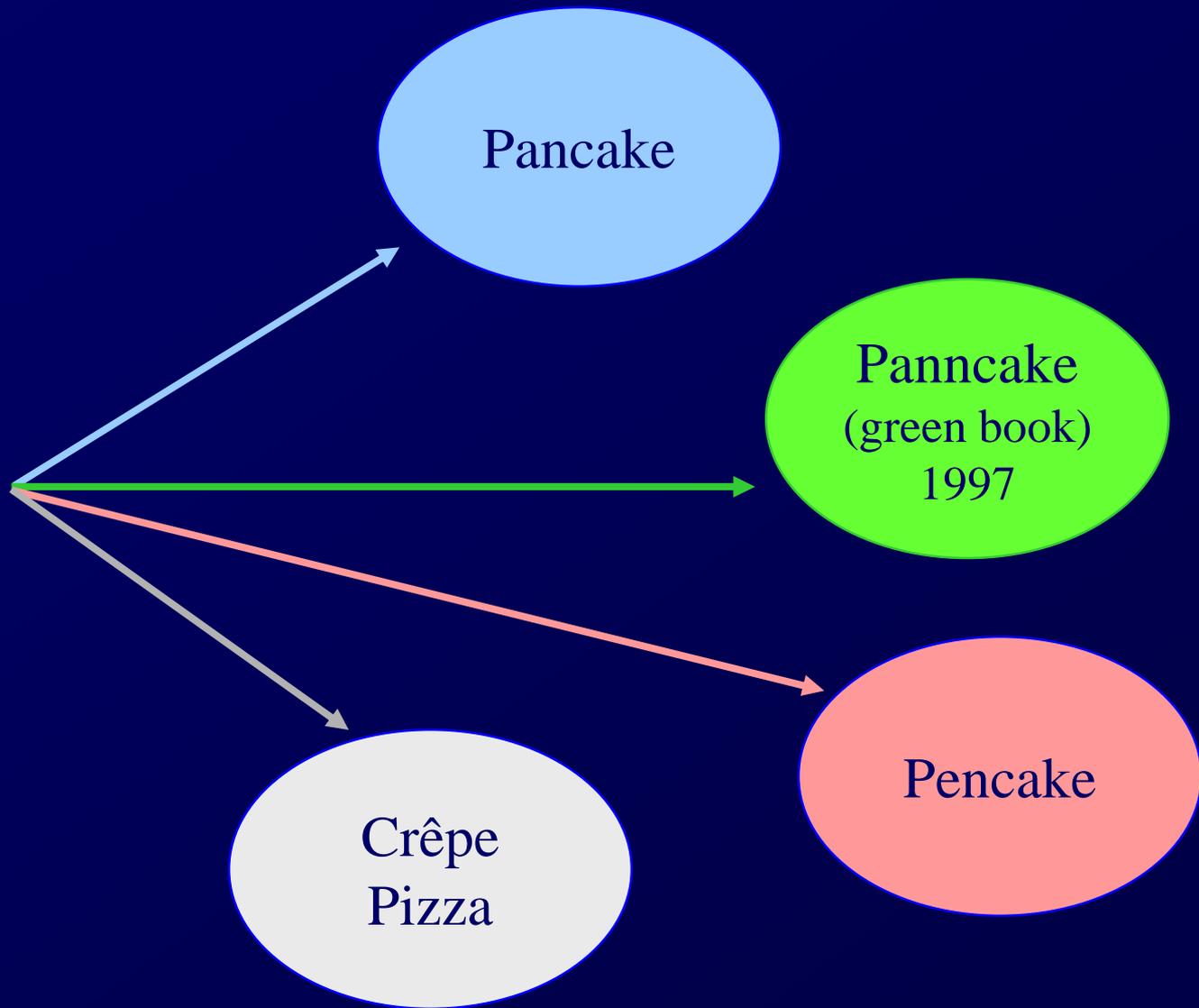
(sharing)

# Fuzziness



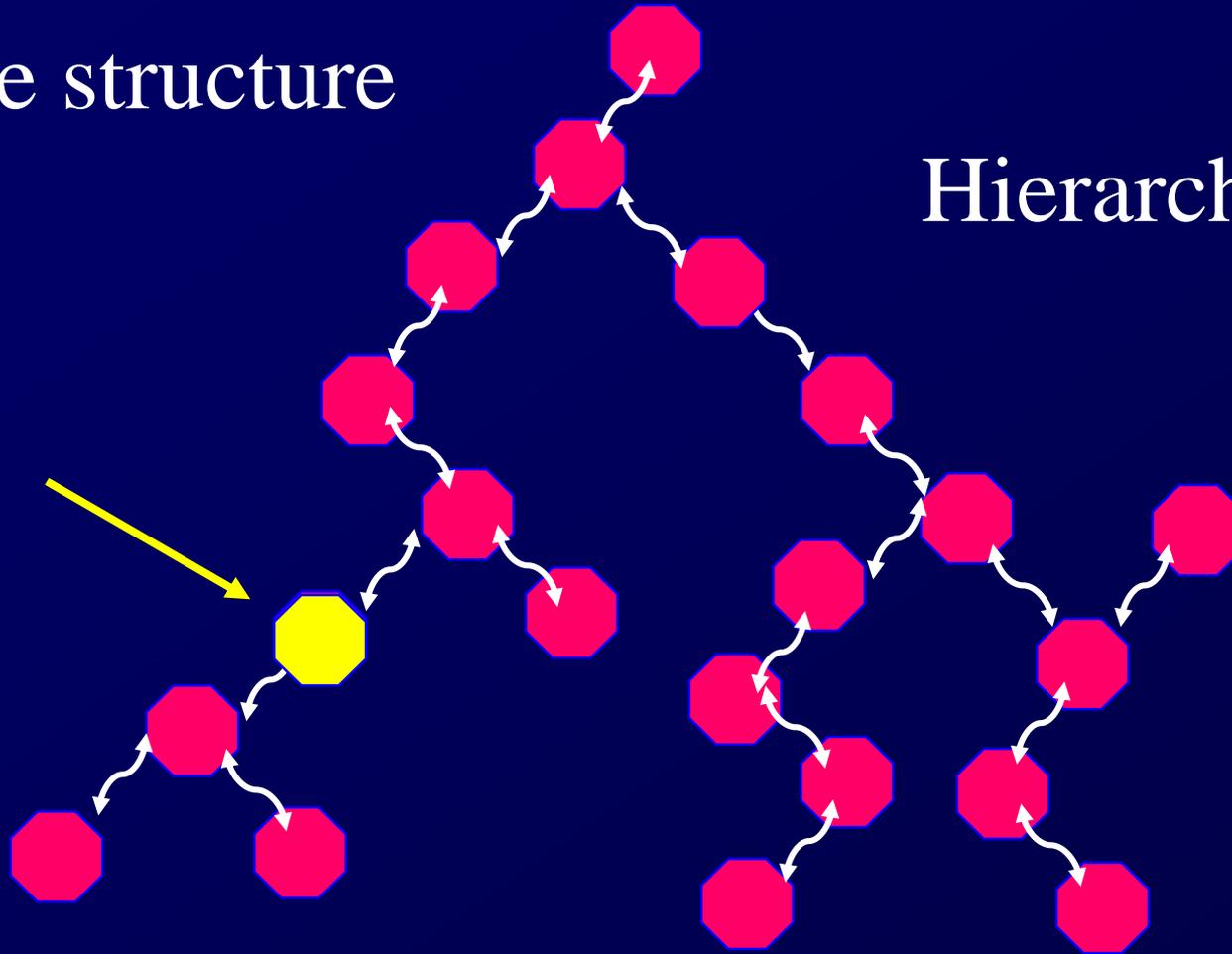
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2D

Tree structure

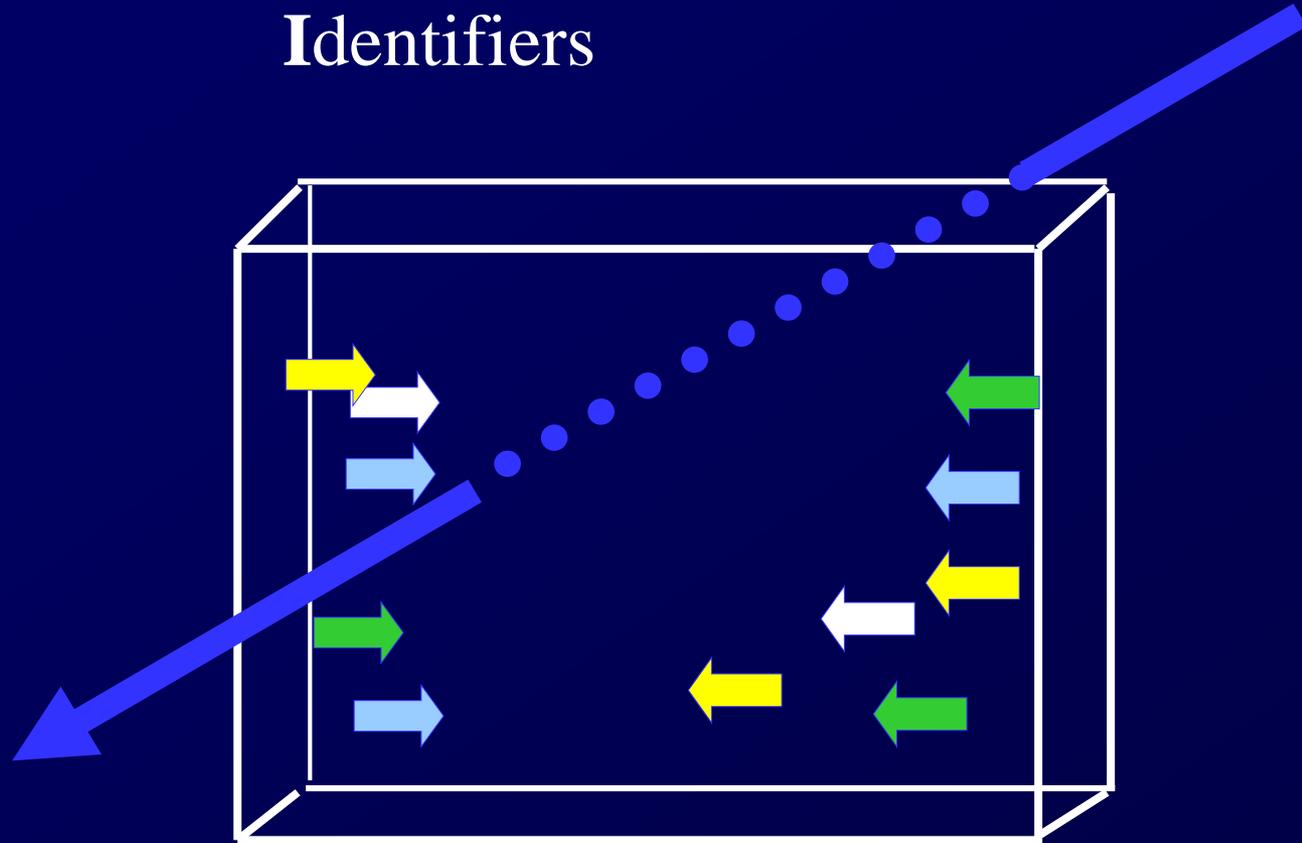


Hierarchie

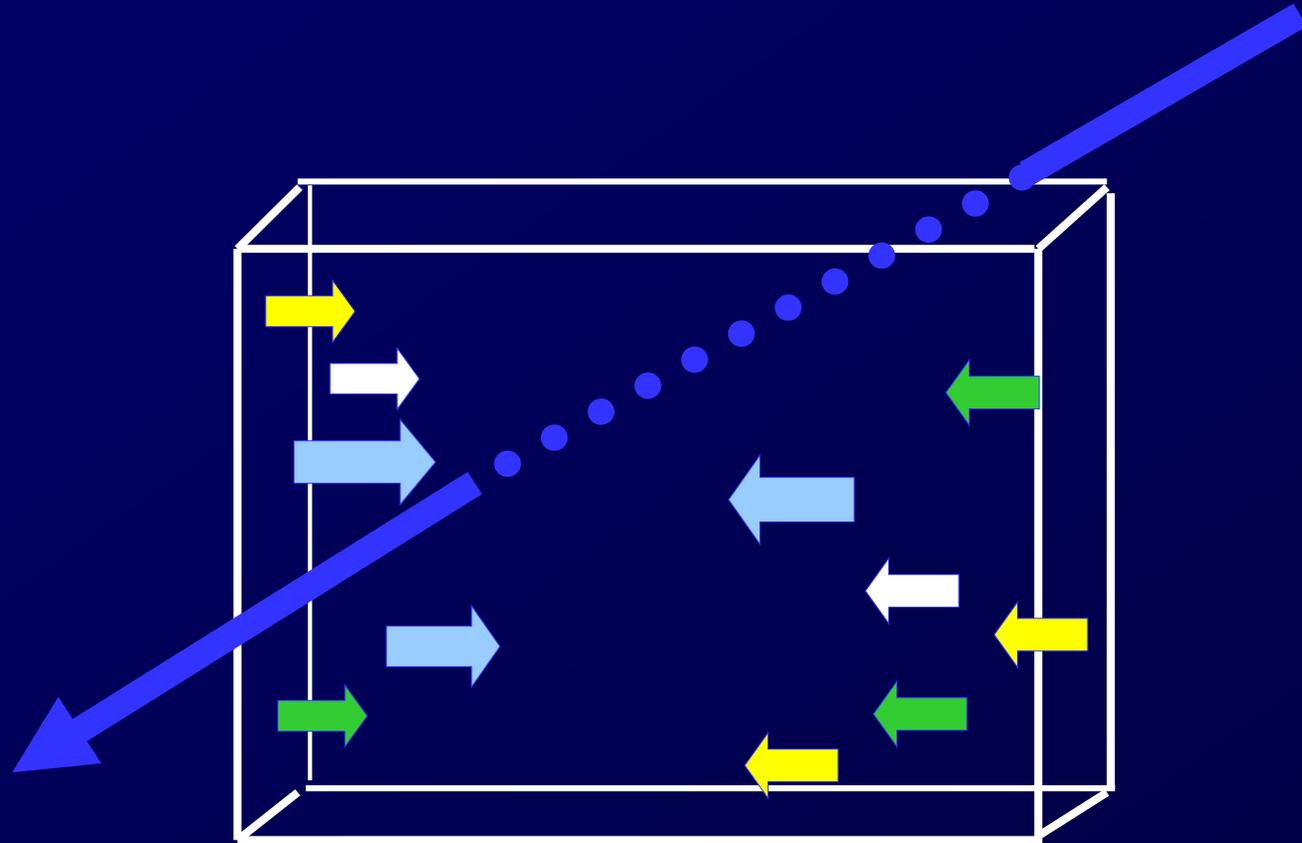
# Unstructured, Multi Dimensional model



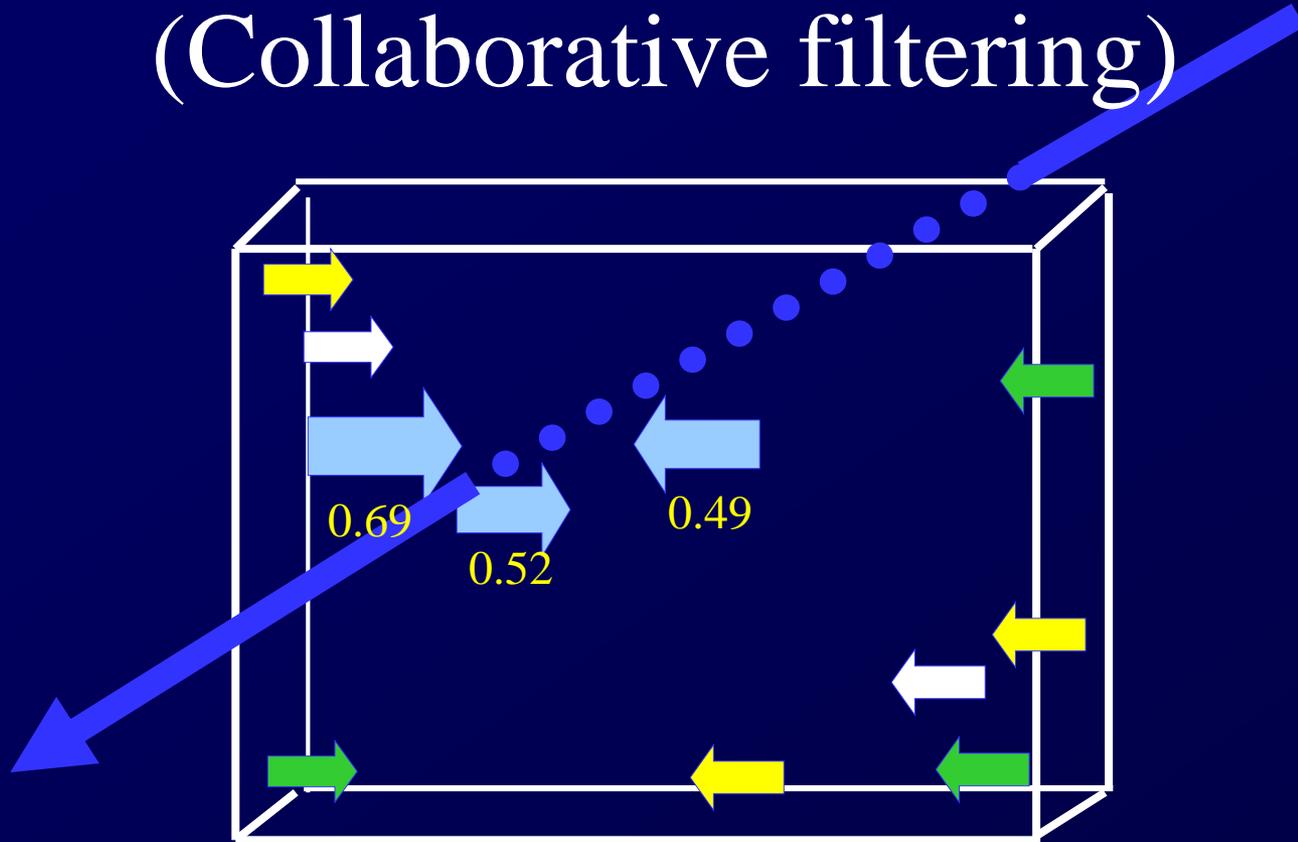
# Digital Object Identifiers



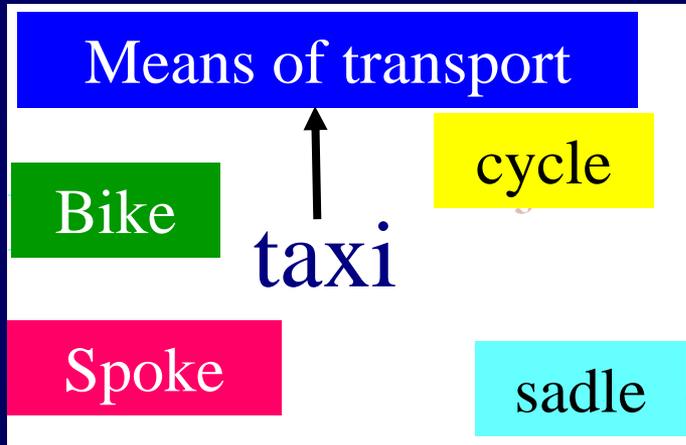
Cross References



# Discovery Informatics (Collaborative filtering)



# Can I drive my bicycle from A to B ?



Why don't you take a taxi ?

There is a road over a mountain: 1780 m

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  - CREW
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Taco Ekkel	De Buren: the crystal web
Paul Lodder	Nieuwsbrief
Clive Spenser	Progress with LPA CD?
Marco Bunge	swarming...

De extra geregeleinden zijn verwijderd in dit bericht. Klik hier als u de re...

**Van:** Clive Spenser [clive@lpa.co.u **Aan:** mmc@medialab.nl  
**Onderwerp:** Progress with LPA CD? **CC:**

Dear Thijs,  
You should have received your CD by now? (it

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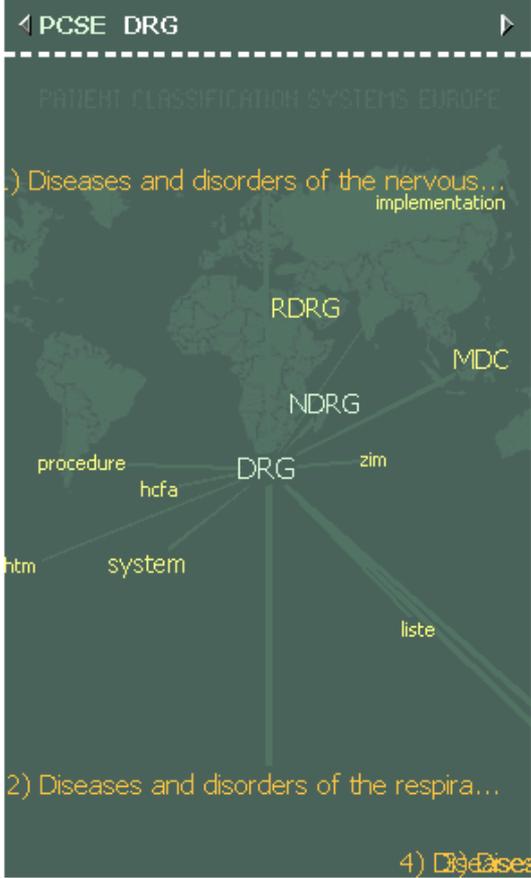


**NEXT**

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Budapest Hungary



488 results 1 · 2 · 3 · 4 · 5 > >|

1. Evaluation of the Austrian DRG-system:

SPECIFIC CHARACTERISTICS OF THE AUSTRIAN-DRG SYSTEM Compared to the classical DRG AR-DRG or APR-DRG-system and their country specific modifications in the Austrian DRG-system the following differences seem

Location: <http://www.pcse.org/articles/index.asp?id=420> - 17K

Found: DRG (45) ; PCSE (1)

2. Z/I/M: CW-Analyse AR-DRG 4

Kostengewichtsentwicklung AR-DRG-Liste AU-Kostengewichte DRG-Kostenhomogenität Pflegeaufwand und DRGs Basiswissen AR-DRG DRG-Familie PCS-Buch Hinweise: Die Auflösung der Grafiken ist beim Ausdruck besser.

Location: <http://www.fischer-zim.ch/artikel/CW-AR4-Analyse-0203-DCK3.htm> - 124K

Found: DRG (56) ; PCSE (1) ; DRGs (129)

3. First European IR-DRG study

At this point the concept of the International Refined DRGs makes a start. This new DRG system of the third generation performs the integration of various coding systems and thus the possible avoidance of

Location: <http://www.pcse.org/Articles/index.asp?id=128> - 4K

Found: DRG (10) ; PCSE (1) ; DRGs (1)

## Research questions and methods

The RASs may serve to identify streams of clientele, predict health care costs, and analyze resource utilization. (1) These informations can be generated from current administrative medical billing and hospital discharges. They may serve as indicator(s) for planning, allocation of resources and resource utilization. (4). These two main modalities of use require different approaches. The prospective model. Using baseline, or year 1, demographic and clinical data to infer the cost for health care of year 2. The intended goal is prospective financing, and equitable allocation of resources. The concurrent or retrospective model. Using information of year 1 to predict resource use of year 1 and then comparing this with actual resource utilization: the intended goal is mainly utilization review hospital efficiency indicators and medical profiling, but financing may also be done with this model, not so differently than the same year approach of the current DRG Medicare and other payors systems in United States.

The DRG and APC systems use procedures for surgical cases and diagnoses for medical cases : they represent the fulfilled offer of services, not necessarily the real needs or appropriate equitable demand of services. The DRG system has a prospective meaning only in the sense that payment is done prior to services. The RAS systems do not use, or use minimally procedures to regroup in a specific group. They use mostly diagnoses and co-morbidities. Not relying on services enable RASs to better estimate needs independent of services for sub-groups of population. This hypothesis is the main one to prove or disprove in this research project, as much as comparing of the main commercial tools available. They may also improve acuity even if precision may be lacking for equity and efficiency measurements, actions and reallocation of resources (6,7 and 11).

## Objectives and evaluation criteriae



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**QuestionPoint is a collaborative reference service** the Library of Congress and OCLC worked together to develop, with input from participating members of the Global Reference Network (a group of libraries and institutions worldwide that are committed to digital reference.) It enables libraries to:

- Respond to, track and manage reference questions from patrons via the Web
- Refer unanswered questions to other libraries in the library's cooperative as needed based on availability and expertise
- Refer still-unanswered questions to expert resources through a global web-based network in which an automated "request manager" routes questions from one library to another, based on metadata about the question and predefined profiles of the collection, subject and staff strengths of members of the network, etc.
- Provide libraries with tools to add simple links from any page in their library portal to support a locally branded and customizable question-asking service including: Web-based submission forms, email-based interaction, and live chat for their patrons.
- Integrate QuestionPoint's global reference network with alternative service providers the library might be using to address their local needs.
- Search a global knowledge base of previously asked and answered reference questions.

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- [Information for Researchers](#) for an introduction to doing research here at the Library
- [Korean Bibliography](#) to search books about Korea in English held by the Library of Congress.
- [Jefferson's Legacy](#) for a brief history of the Library
- [Frequently Asked Questions](#) about the Library

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Alles over de achtergrond en werkwijze van al@din vindt u onder de knop 'informatie'

Typ hier uw vraag

Zuid Afrika

Is mijn vraag al eerder gesteld?

Ik wil mijn vraag versturen

A.F.J.A. van der Duyn van Maasdam 1844: mr. ...

## Vraag het al@din

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Zuid Africa

Is mijn vraag al eerder gesteld?

Ik wil mijn vraag versturen

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[ 1 - 10 ] Volgende >>

### 1. Waarom komen ten zuiden van de evenaar in Zuid-Amerika geen orkanen voor?

... Ook ten *zuiden* van de evenaar loopt een golfstroom van oost kust *zuidelijk* Afrika naar west kust *Zuid*-Amerika De golfstroom voor de kust van Afrika is hier geen warme maar een koude golfstroom. ...

### 2. Wat is de hoofdstad van Zuid Afrika?

De hoofdstad van *Zuid* Afrika is Pretoria met 823.000 inwoners. Deze informatie is te vinden in de Atrium wereldatlas. Op Landenweb is ook in ...

### 3. Ontgrinding in Zuid Limburg

... Informatie over ontgrinding van de Grensmaas in *Zuid*-Limburg is te vinden via onderstaande websites: De Maaswerken officiële site In het archief van de Stichting ...

### 4. Heeft u informatie over aardbevingen in Zuid-Limburg?

Aardbevingen in *Zuid*-Limburg zijn een gevolg van ontwikkelingen in de aardkorst van lang geleden. Tijdens het Carboon was ...

### 5. Kunt u mij ook zeggen wat de hoofdstad van Zuid-Afrika is: Kaapstad, Pretoria of Johannesburg?

De hoofdstad van *Zuid*-Afrika is Pretoria. Het parlement zetelt in Kaapstad Bron: Grote Winkler Prins Encyclopedie

### 6. Vanuit welke landen komen de toeristen naar Zuid-Limburg en waarom komen juist zij?

In het toeristisch-recreatief aanbod binnen *Zuid*-Limburg is de afgelopen tijd flink geïnvesteerd. Dat blijkt bijvoorbeeld uit de realisatie van vernieuwde wandel- ...

### 7. Wie waren de Commissarissen van de koning/koningin in Zuid-Holland 1840 - 1999 en in Utrecht 1814 - 1999 ?

De Commissarissen der Koning/Koningin van de provincie *Zuid*-Holland van 1814 2000 waren: 1814: mr. F.A. van Leijden van Westbarendrecht 1817: mr. A.F.J.A. van der Duyn van Maasdam 1844: mr. ...

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Bladmuziek  
Landelijke Kranten  
Internet  
Al@din

**Suggesties** **Onderwerp**



**Resultaten** **Detail** **Beschikbaarheid**   

5  **The burglar in the library**  
A Bernie Rhodenbarr mystery   
Lawrence Block  
Wanneer een New Yorkse boekhandelaar in een luxe hotel op zoek gaat naar een kostbaar boek vindt hij niet alleen het boek maar ook een lijk.  
Oorspr. uitg.: 1997.  
Gevonden: Library (1)

6  **The body in the library**  
Agatha Christie   
1e dr.: 1962 Oorspr. uitg.: Londen Collins 1942.  
Gevonden: Library (1)

7  **Sound library [Geluidsopname]**  
Disc 1 bevat: Natuur; de elementen vogels wilde dieren etc. Disc 2 bevat: Mensenmassa's; drukke plaatsen kinderen sport etc. Disc 3 bevat: Activiteiten; industrie klokken huiselijke geluiden etc. Disc 4  
Gevonden: Library (1)

8  **The library of jazz standards [BLADMUZIEK]**  
Ronny S. Schiff  
Met inl. en historisch overzicht in het Engels. Bevat o.a.: Accent on youth All of me Angel eyes Aren't you glad you're you Baby baby all the time. Voor zang en piano met gitaarakkoorden.  
Gevonden: Library (1)

9  **The library of flute classics [BLADMUZIEK]**  
Voor fluit en piano. Bevat o.a.: Arioso Quantz. The swan Saint-Saens. La paloma Yradier. Cradle song Hauser. Serenade Haydn.  
Gevonden: Library (1)

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