Libraries in Digital Era

by Dr Jovan Kurbalija

Maribor, Slovenia

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Does Cyberspace exist?

It is a bit freaky with this wireless technology.
Involved in e-diplomacy since **1992** (as part of the Mediterranean Academy of Diplomatic Studies)

Established as an independent foundation by the governments of Malta and Switzerland in **2002**

Offices in Malta, Geneva, and Belgrade

20 full-time and 40 part-time staff

**UN ECOSOC** special consultative status

Alumni of **2300** diplomats & officials from **189** countries

Selected among **the Top 100** non-governmental organisations in 2012
Context

High dependence on the Internet

A key part of life

Percentage of respondents willing to give up a lifestyle habit for a year instead of the internet 2012

- United States
- China
- Germany
- Brazil

- Fast food
- Satellite navigation
- Chocolate
- Coffee
- Alcohol
- Exercise
- Sex
- Car
- Shower

Source: Boston Consulting Group
What Happens in an Internet Minute?

- 639,800 GB of global IP data transferred
- 20 New victims of identity theft
- 47,000 App downloads
- 204 million Emails sent
- $83,000 In sales
- 61,141 Hours of music
- 20 million Photo views
- 3,000 Photo uploads
- 320+ New Twitter accounts
- 100,000 New tweets
- 277,000 Logins
- 6 million Facebook views
- 2+ million Search queries
- 30 Hours of video uploaded
- 1.3 million Video views

And Future Growth is Staggering

Today, the number of networked devices = the global population

By 2015, the number of networked devices = 2x the global population

In 2015, it would take you 5 years to view all video crossing IP networks each second
Start from Motivations & Limitations

- 24 hours day
- 8 pieces of information in working memory
- maintain 148 stable social contacts (Dunbar’s number)
The farther backward you can look, the further forward you can see.
Fact and Truth
Empathy
Solitude
Freedom and Dignity
Compromise
The facts are coming! The facts are coming!
What means ‘Truths’ in science?

- In science a result is recognised as ‘true’ only if it can be reproduced everywhere at any time.
- The ultimate authority is nature.
Empathy
Solitude

Since early days of humanity
Solitude
Freedom and dignity

800 years ago

MAGNA CARTA
THE STORY OF MAN’S FIGHT FOR LIBERTY
Compromise

Vienna Congress
200 years ago
HOW?
Thinking Fast and Slow

Which One Are You?

**The Rational Mind**
- Has been taught HOW to think
- Uses own conscience to decide morality
- Considers new ideas and concepts for value
- Thinks independently
- Uses facts and compassion when deciding issues
- Reconsiders convictions when confronted with contrary evidence
- Congenial when confronted with disagreement

**The Irrational Mind**
- Has been taught WHAT to think
- Follows dictated morality
- Denies new ideas until approved by authority
- Needs others to think for them
- Uses primitive belief systems to decide issues
- Denies evidence contradicting established beliefs
- Displays anger and contempt for those who disagree with doctrine
Philosophy
New Social Contract?
Internet and Progress?
Does Cyberspace exist?

It is a bit freaky with this wireless technology.
Territoriality
Migrants in Djibouti accessing signal from Somaliland
David Hume
The corruption of the best things gives rise to the worst. Custom is the great guide of human life.

Thomas Hobbes
There are three causes of strife in human nature: rivalry, distrust, pride.

John Locke
For no government can have a right to obedience from a people who have not freely consented to it.

Jean-Jacques Rousseau
Rousseau Man was born free, and he is everywhere in chains. Those who think themselves the masters of others are indeed greater slaves than they.

Hugo Grotius
Every nation is free to travel to every other nation, and to trade with it.

INTERNET SOCIAL CONTRACT
What can Libraries do?
I WANT BOOKS, COMPUTERS... AND THE ABILITY TO TRAVEL THROUGH TIME AND SPACE!

OK... HERE'S A LIBRARY CARD!
Help Late Majority and Laggards

- Innovators: 2.5%
- Early Adopters: 13.5%
- Early Majority: 34%
- Late Majority: 34%
- Laggards: 16%
Core Business
Libraries in Digital Era
Core Business for Libraries

- Data
- Information
- Knowledge
- Wisdom
A simple example

Information:
Morning: Sunny; 16 C
South wind – 13 km/h

Afternoon: Cloudy; 10 C
South-west find - 11 C

Knowledge: There will be sudden drop in temperature

Understanding: Weather is nice. I have to make a good presentation in order to keep people in the room.
Poor data/information quality

The equivalent of manufacturing waste
Eli Pariser: Beware online "filter bubbles"
http://www.ted.com/talks/eli_pariser_beware_online_filter_bubbles.html
Just because it has been bought, printed or obtained through a computer...

Data, documents and/or information

are not necessarily suitable for a particular need or even right
High Relevance of MetaData

Metadata on Journals indexed in 1999 by the National Agricultural Library, Washington DC, USA

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**Genetic engineering : Principles and methods**  
Genet. eng.  
NAL call no. - QH442.G4  
ISSN 0196-3716  

- indexed selectively

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**Genetic engineering news**  
Genet. eng. news  
NAL call no. - QH442.G456  
ISSN 0270-6377  
Larchmont, N.Y. : GEN Publishing, Inc.

- indexed selectively

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**Genetic resources and crop evolution**  
Genet. resour. crop evol.  
NAL call no. - SB123.3.G46  
ISSN 0925-9864  
Big Data – Example from 1980s

Government officials (police, military)

Middle class (professionals, workers)

Peasants (working on the land)
New Activities
Libraries in Digital Era
Promote digital hygiene

The basics

- Passwords and PINs
- Software updates, malware protection
- Backups
- Downloads
- Locking the device
- Multiple accounts +

Landmines

- Disclosures and sharing
- Phishing and scams
- Attachments
- Free unencrypted Wi-Fi

Advanced

- Remote wipe
- Geolocation
- Bluetooth
- Home Wi-Fi
What is ‘under the bonnet’?

How does the Internet function?
SOCIAL MEDIA EXPLAINED

TWITTER  I’M EATING A DONUT
FACEBOOK  I LIKE DONUTS
FOURSQUARE  THIS IS WHERE I EAT DONUTS
INSTAGRAM  HERE’S A VINTAGE PHOTO OF MY DONUT
YOUTUBE  HERE I AM EATING A DONUT
LINKEDIN  MY SKILLS INCLUDE DONUT EATING
PINTEREST  HERE’S A DONUT RECIPE
LAST FM  NOW LISTENING TO “DONUTS”
G+  I’M A GOOGLE EMPLOYEE WHO EATS DONUTS
Help People to Preserve Their Data and Privacy
Make People understand Internet Money Flow
Help People to Manage Time
Every **Last Tuesday** in the Month –
Internet Governance Briefing
Local Hubs in Communities Worldwide

Local community hub in Burundi

Academic hub in Serbia

Government hub in Moldova

Youth hub in Brazil
Help Different Communities to Communicate

Technical Expertise - Diplomacy
Help with Sustainable Development Goals

1. NO POVERTY
2. ZERO HUNGER
3. GOOD HEALTH AND WELL-BEING
4. QUALITY EDUCATION
5. GENDER EQUALITY
6. CLEAN WATER AND SANITATION
7. AFFORDABLE AND CLEAN ENERGY
8. DECENT WORK AND ECONOMIC GROWTH
9. INDUSTRY INNOVATION AND INFRASTRUCTURE
10. REDUCED INEQUALITIES
11. SUSTAINABLE CITIES AND COMMUNITIES
12. RESPONSIBLE CONSUMPTION AND PRODUCTION
13. CLIMATE ACTION
14. LIFE BELOW WATER
15. LIFE ON LAND
16. PEACE AND JUSTICE STRONG INSTITUTIONS
17. PARTNERSHIPS FOR THE GOALS
Café Philo – Discussions on Core Issues of Digital Era

**David Hume**
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