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Aalto University
School of Business



Real-Time Economy as a Cornerstone in Financial Value Chain Development 2006-2018 Views on RTE Readiness

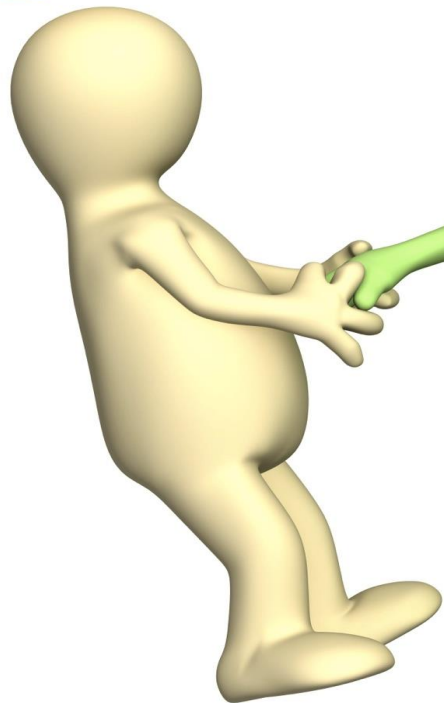
Esko Penttinen

Professor of Practice, Information Systems Science, Aalto University School of Business

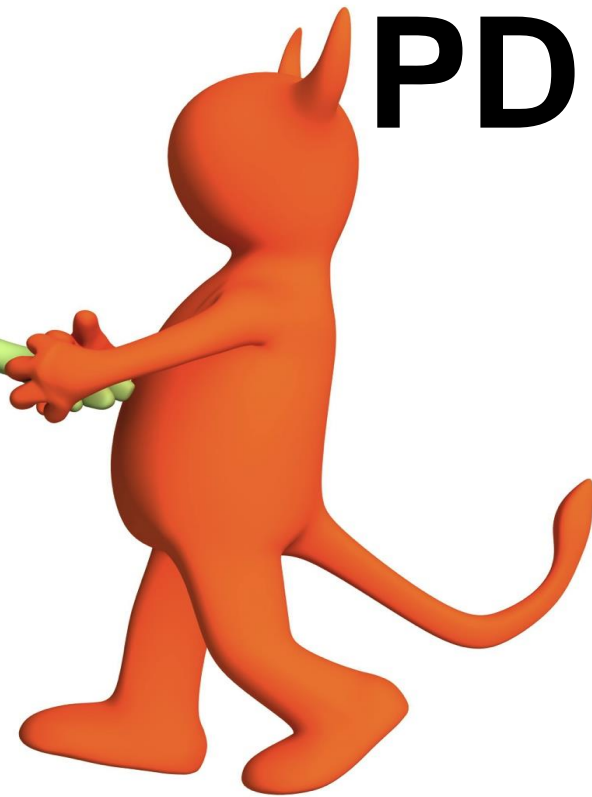
Chairman, XBRL Finland

Director, Real-Time Economy competence center

XML

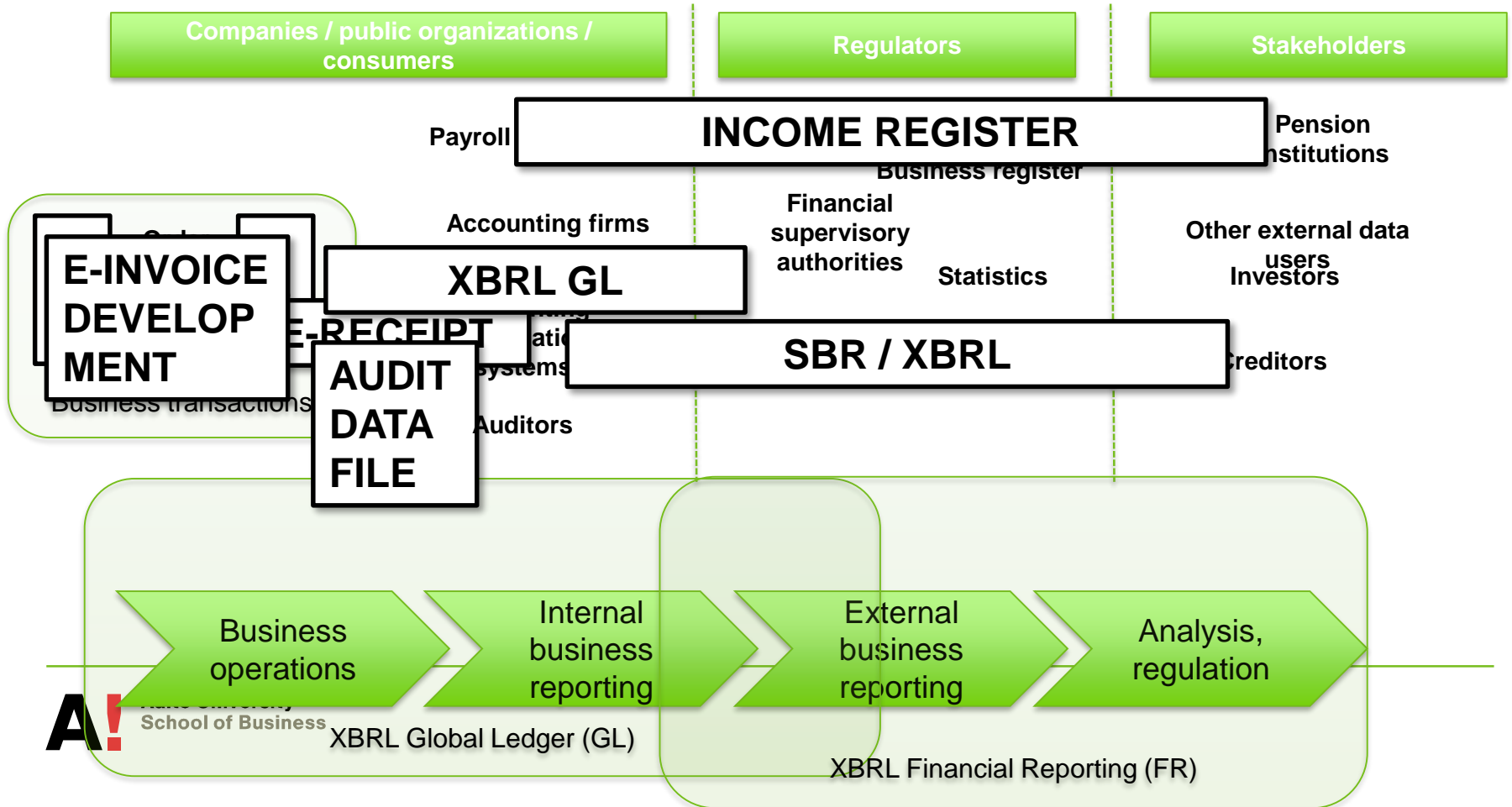


**XYZ
Ltd.**



PDF

Financial value chain and RTE



Data

Regulating the internet giants

The world's most valuable resource is
no longer oil, but data

The data economy demands a new approach to antitrust rules

The Economist 6.5.2017

APR 13, 2017 @ 02:22 PM 5,459

The Little Black Book of Billionaire Secrets

What Will We Do When The World's Data Hits 163
Zettabytes In 2025?

Forbes 13.4.2017

Structured vs. Unstructured Data

Structured data is far easier for Big Data programs to digest, while the myriad formats of unstructured data creates a greater challenge. Yet both types of data play a key role in effective data analysis.

Datamation 3.8.2017

Automation

BUSINESS DAY

A.I. Has Arrived in Investing. Humans Are Still Dominating.

By CONRAD DE AENLLE JAN. 12, 2018

The New York Times 12.1.2018

Big Data + Add to myFT

How machine learning creates new professions
– and problems

Leaders face an explosion in demand for knowledge and skills

Financial Times 29.11.2017



The next acronym you
need to know about: RPA
(robotic process
automation)

By Xavier Lhuer

McKinsey&Co December 2016

Research themes at RTE competence center

Information-intensive knowledge work

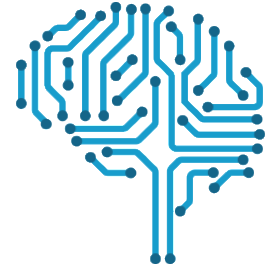
Electronic, machine-readable, structured data



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xBRL | FI

Automation tools (RPA, ML, AI)



Research themes

1. Interplay between computers and humans

2. Governance issues

3. Choice-making in digital environments

Impact of Cloud Computing on Business Process Outsourcing

Case: Accounting in Small and Medium-sized Enterprises

Aleksandre Asatiani



INDEX OF ADVANCEMENT OF EU COUNTRIES IN REAL TIME ECONOMY

CONTENTS OF THE REPORT:

- RTE Readiness Index and four sub-indices ranking the EU countries according to their advancement in Real-Time Economy.
- Description of the measurement model and relevant criteria for assessment of countries' RTE advancement.
- Two-page country-specific reports including detailed description of a country's performance and additional information about the market conditions.



RTE READINESS INDEX AND COMPONENTS

RTE READINESS INDEX					
Potential Purchasing Power Index	E-Invoicing Index	E-Payment Index	Infrastructure and Ecosystem Index		
			E-Invoicing Adoption Score	Accounting Ecosystem Score	Banking Ecosystem Score

RTE READINESS INDEX 2014

Country	RTE Readiness Index		Sub-indices			
	Score	Rank	Potential Purchasing Power Rank	E-Invoicing Rank	E-Payment Rank	Infrastructure and Ecosystem Rank
Finland	0,98	1	7	1	1	1
Norway	0,97	2	1	8	26	2
Denmark	0,88	3	3	2	3	10
Sweden	0,82	4	4	14	6	5
Austria	0,77	5	9	11	4	4
Switzerland	0,74	6	5	12	27	7
Belgium	0,73	7	6	10	11	15
Germany	0,73	8	12	22	2	9
Netherlands	0,72	9	8	26	9	11
Ireland	0,70	10	10	8	17	18
UK	0,68	11	13	25	8	8
Spain	0,65	12	15	17	14	3
France	0,64	13	11	20	13	20
Italy	0,63	14	14	23	18	16
Estonia	0,57	15	20	13	5	12
Latvia	0,56	16	23	4	12	14
Lithuania	0,56	17	24	3	21	6
Greece	0,50	18	18	28	25	19
Poland	0,49	19	27	20	23	13
Hungary	0,47	20	26	24	22	17