



**MULTIRÁCIÓ**  
multitalent solutions

# Software Industry

Miklós Banai  
managing director  
MultiRáció Ltd.



# Company history I.



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Miklós Banai: Software Industry

MultiRáció Ltd. - 100% Hungarian owned small company

1992 – company founded for financial and economic analysis

1994 – custom software development, World Bank projects  
Small area unemployment statistics system, seasonal adjustment  
Economic time series analysis systems

2001 – office software based on OpenOffice.org  
MagyarOffice – 40000 licences in 2 years  
Localization + added values



### 2005 – EuroOffice + Extensions

EuroOffice – in 7 languages, international market

Extensions – program modules usable also with OpenOffice.org

### OpenDocument Format – OASIS membership

Organization for the **A**dvancement of **S**tructured **I**nformation **S**tandards  
(IBM, Sun, archives, etc.)

OpenDocument Format = ODF

ISO/IEC standard since May 2006

Next version: 1.2 (e-signature)



Software Quality Assurance - ELTE, BME, SzTE, Sun, Polygon  
Development of software QA tools and services for ODF compatible applications

OpenDesktop - InfoPólus 2009, DEÁK  
Prepare an open-source desktop distribution with added values

Complex analysis of EU economic time series - ELTE-Soft



## Adaptive Interface – ELTE University

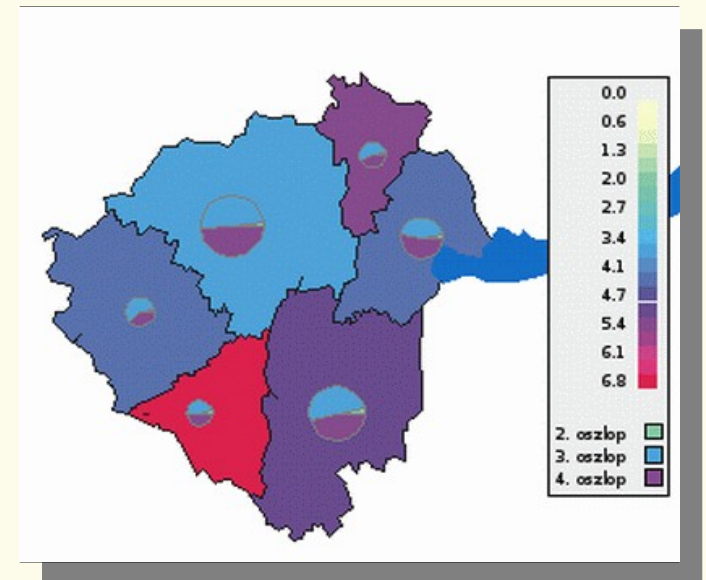
Developing an intelligent user interface able to adapt to patterns in user behaviour

Visualization tool for MS Excel

Cooperation with ELTE University

## Source code quality analysis tool

FrontEndArt





## Connecting to main areas of the Strategic Research Plan

Interoperability (enabling competition)

Architecture and SOA (flexibility)

Software technology (innovation)

Software quality (long range reliability)

The image shows the cover of a document titled "Stratégiai Kutatási Terv 1.1". At the top is the "NESSI HUNGARY" logo, which includes a stylized bridge and the text "NESSI HUNGARY". Below the logo is the text "SZOFTVER ÉS SZOLGÁLTATÁSOK NEMZETI TECHNOLÓGIAI PLATFORM". The main title "Stratégiai Kutatási Terv 1.1" is prominently displayed in the center. Below the title is the logo of the "NKTH" (Nemzeti Kutatási és Technológiai Hivatal) and the text "Nemzeti Kutatási és Technológiai Hivatal". At the bottom of the cover, it states "A projekt a Nemzeti Kutatási és Technológiai Hivatal támogatásával valósult meg." and the website "www.nessi-hungary.com" is listed at the very bottom.



# Vision: EU Based Software Industry



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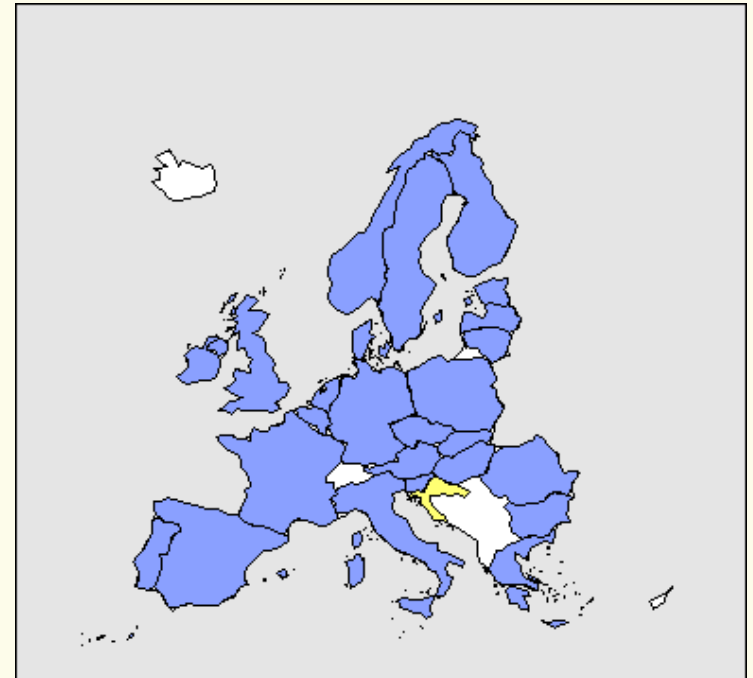
Hungary is a member of the European Union since 2004

EU is the world's largest economy

EU GDP > USA GDP

27 member states

500 million market





## Central-Eastern Europe

More than 100 million people

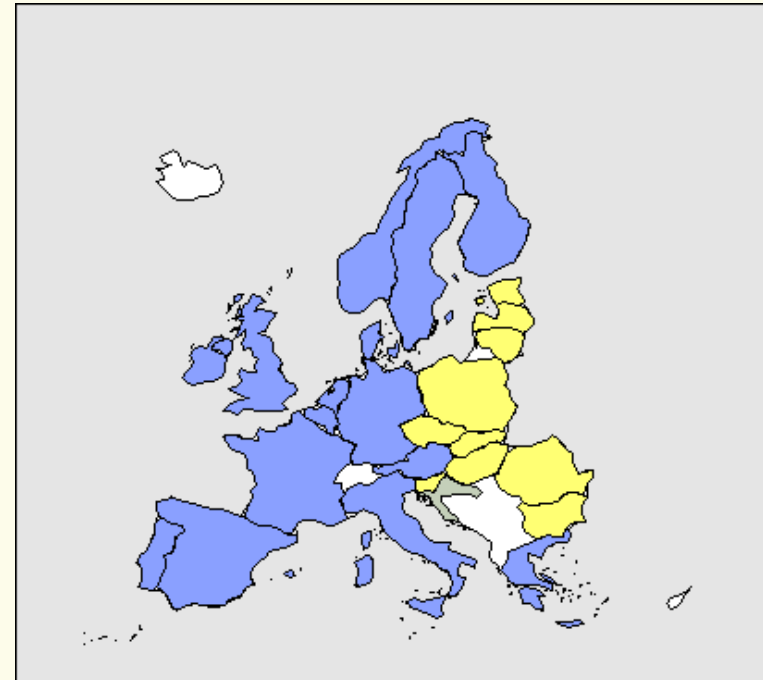
Relatively underdeveloped ->

Higher growth potential

## Market anomalies in ICTs

e.g. 5 billion EUR sales volume,

2/3 of it is profit







## Application of research results

R&D projects with university and industrial partners

## „Semi-automatic processes and control”

Intelligent software development environment, automatized testing

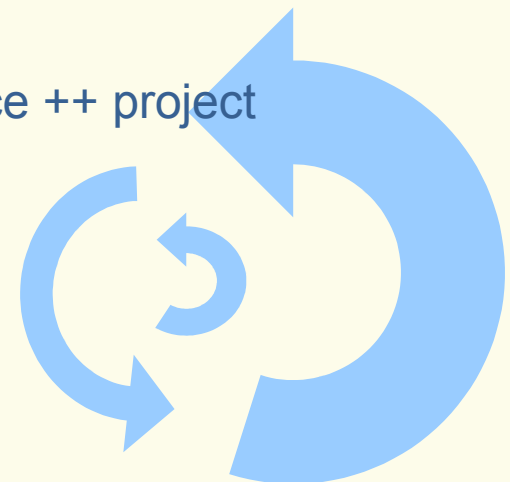
## High quality

Quality assurance tools

e.g. COLUMBUS (FrontEndArt)

OpenOffice ++ project

Columbus system  
>100 corrected bugs  
continous monitoring





# First Steps - EuroOffice



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Miklós Banai: Software Industry

EuroOffice Professional – office application suite

Open source (OpenOffice.org)

Install in 7 languages

ODF compatibility

Services

Product support

Training

Integration

kh. Terkepkep\_bluered\_4.ods - OpenOffice.org Calc

E48 Spnértékés táblát beszúrás Formátum Eszközök Adat táblák Szög

MS Sans Serif

V12

ülési és foglalkoztatottsági adatok az ILO-szabvány szerint

2008.4.hónap

KSH Kistérségek

15-74

Korrigált szimmetikus regressziós becslés

Közetnév	Munkanélküliség	Foglalkoztatottság	N	aktív	nk. róp	Fogl. Rátó	Akt. Rátó						
Budapest	9680	749658	1913	1310035	65491	1932	4.54%	57.19%	0.15%	58.91%	0.15%		
<b>összesen</b>	<b>9680</b>	<b>749658</b>	<b>###</b>	<b>525491</b>	<b>4.54%</b>	<b>57.19%</b>	<b>58.91%</b>						
Közetnév	Munkanélküliség	Foglalkoztatottság	N	aktív	nk. róp	Fogl. Rátó	Akt. Rátó						
Komló	1899	32	11916	177	31815	18000	180	13.75%	0.2%	37.46%	0.66%	43.42%	0.57%
Mohácsi	2977	50	16306	250	28867	18984	255	14.97%	0.20%	43.50%	0.64%	51.16%	0.66%
Sáki	884	17	4438	66	11062	9630	69	18.15%	0.34%	40.16%	0.60%	49.80%	0.62%
Sellyei	1333	22	3658	54	10550	5559	58	26.71%	0.43%	34.67%	0.61%	47.31%	0.55%
Siklósi	2233	38	11288	167	28629	15108	171	16.62%	0.31%	39.43%	0.58%	47.23%	0.60%
Szegvári	2047	35	7891	117	23704	10766	122	20.60%	0.27%	38.11%	0.57%	46.80%	0.59%
Pécsi	4293	72	64896	961	144279	75090	964	6.20%	0.13%	44.88%	0.67%	47.86%	0.67%
Pécsvárdi	423	7	4108	61	9869	5338	61	9.34%	0.19%	41.63%	0.62%	45.91%	0.62%
Szentlőrinci	884	15	4562	68	11998	6530	70	16.17%	0.31%	38.20%	0.57%	45.57%	0.58%
<b>összesen</b>	<b>17073</b>	<b>129683</b>	<b>307761</b>	<b>161005</b>	<b>11.63%</b>	<b>42.14%</b>	<b>47.69%</b>						
Közetnév	Munkanélküliség	Foglalkoztatottság	N	aktív	nk. róp	Fogl. Rátó	Akt. Rátó						
Bajai	2619	20	26005	194	67327	28703	195	9.15%	0.09%	45.36%	0.34%	49.93%	0.34%
Bácsalmási	903	7	5551	42	13092	6638	43	13.89%	0.13%	42.40%	0.32%	49.30%	0.33%
Kalocsa	2301	17	20319	152	41580	19070	153	9.27%	0.09%	46.86%	0.37%	54.15%	0.37%
Kecskeméti	4249	32	64364	481	130834	62221	482	6.19%	0.06%	49.20%	0.37%	52.44%	0.37%
Kiskörösi	1888	14	22435	168	43235	18912	169	7.76%	0.06%	51.89%	0.39%	56.26%	0.39%
Kiskunfélegyházi	1022	8	19338	145	35428	15068	146	5.02%	0.05%	54.58%	0.41%	57.47%	0.41%
Kiskunhalasi	1415	11	17212	129	36262	16625	129	7.60%	0.08%	48.83%	0.37%	52.84%	0.37%
Kiskunmajsi	667	5	7706	58	15152	6779	58	7.97%	0.00%	50.86%	0.38%	55.26%	0.38%
Kunszentmiklósi	1185	9	11250	84	23562	11147	84	9.53%	0.09%	47.71%	0.36%	52.73%	0.36%
Jánoshegyi	929	6	5367	40	12485	6210	40	13.37%	0.12%	43.26%	0.32%	49.94%	0.33%

Baranya

Bács-Kiskun





# First Steps - Extensions



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## EuroOffice Extensions

Commercial licence

Functions added to OpenOffice, Lotus Symphony, MS Office

Map Chart

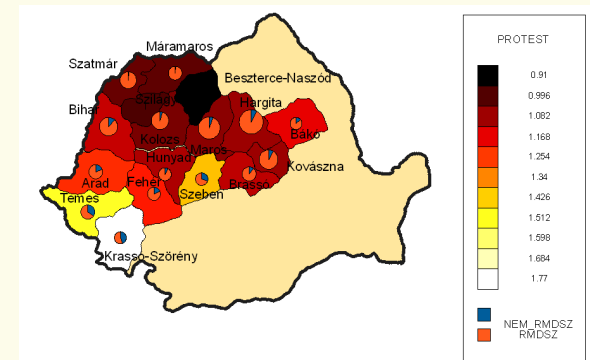
Solver

Language tools

MorphoLogic technology

Dictionary

etc...



EuroOffice Profesionális Szótár

HU-EN harangvirág blue-bell

blue-bell  
bluebell  
hareball

Ady Endre  
A Tisza-parton

Jöttem a Gangesz partjairól, Hol álmodoztam déli verőn, A szívem egy nagy harangvirág S finom remegések: az erőm.	To come on the Gangesz bank, Where to be in the clouds south to bang, The in my heart of hearts a great harangvirág S finom remegések: az erőm.
Gémes kút, malom alja, fokos, Sivatag, lárna, durva kezek, Vad csókok, bambák, álom-bakók. A Tisza-parton mit keresek?	Gémes kút, malom alja, fokos, Sivatag, lárna, durva kezek, Vad csókok, bambák, álom-bakók. A Tisza-parton mit keresek?

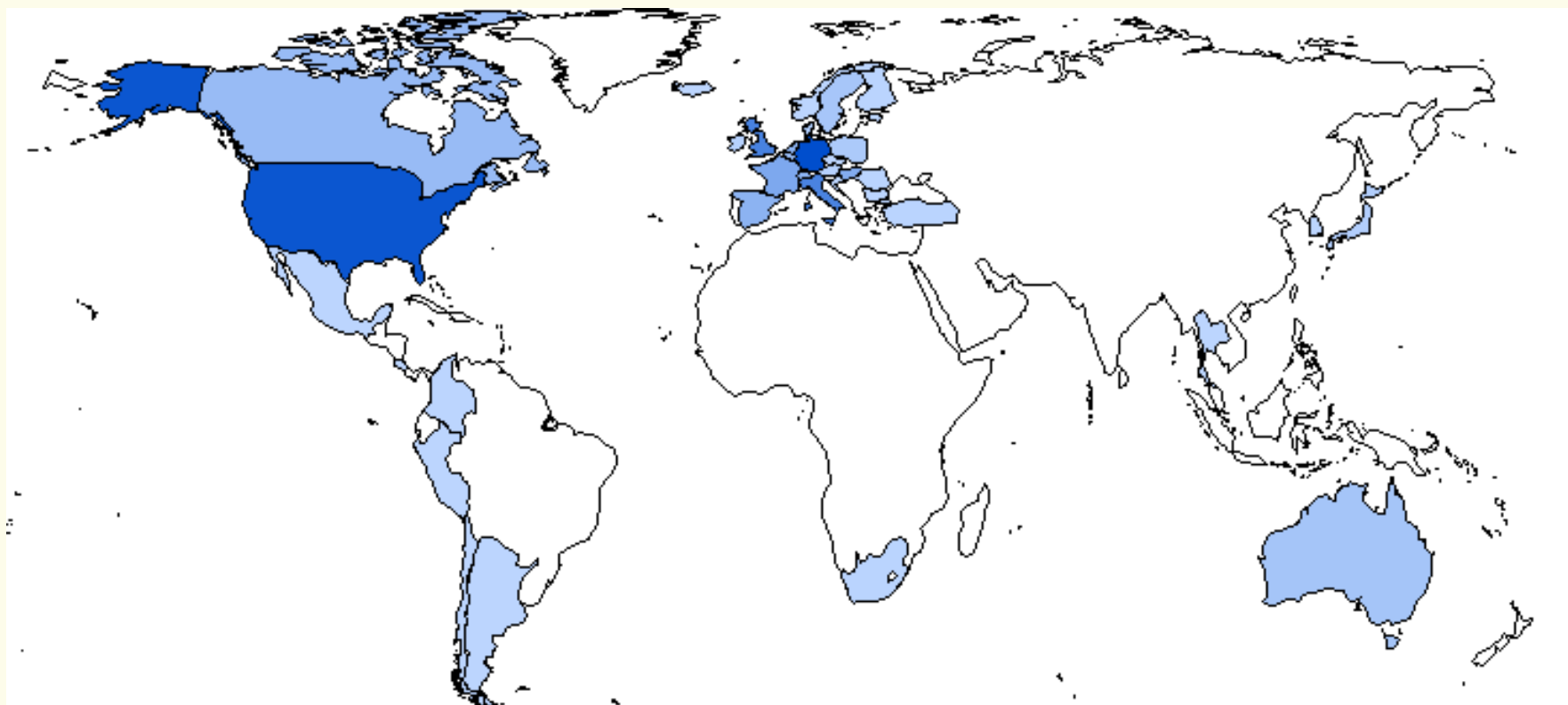


# Distribution of our customers



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# OOoCon 2010 Budapest

## OpenOffice.org Conference in Budapest

Aug 31 – Sep 3, 2010

Annual conference of the developer community of OpenOffice.org

Regular sponsors: Sun, IBM, MultiRáció

~400 participants, ~50 presentations





*"Opportunities of ICT may play a key role in „revitalizing” our economy and in enabling its long term development."*

*(Strategic Research Plan)*

Thank you !

<http://www.multiracio.com>