

NUCEM

NATIONAL INSTITUTE FOR CERTIFIED
EDUCATIONAL MEASUREMENTS

Study visit – Creativity and curriculum

Bratislava

17. 5. 2011

Ministry of Education, science, research and sport of the Slovak Republic

founded with initiation
from 1st September 2008

National Institute for Certified Educational Measurements

NÚCEM

was founded

from **Department of Certified Educational Measurements of National Institute for Education,**

which managed and guaranteed projects of national and international nature, such as external part of school leaving examination, testing of pupils of 9th classes and international projects (PISA, PIRLS, TIMSS).

NÚCEM

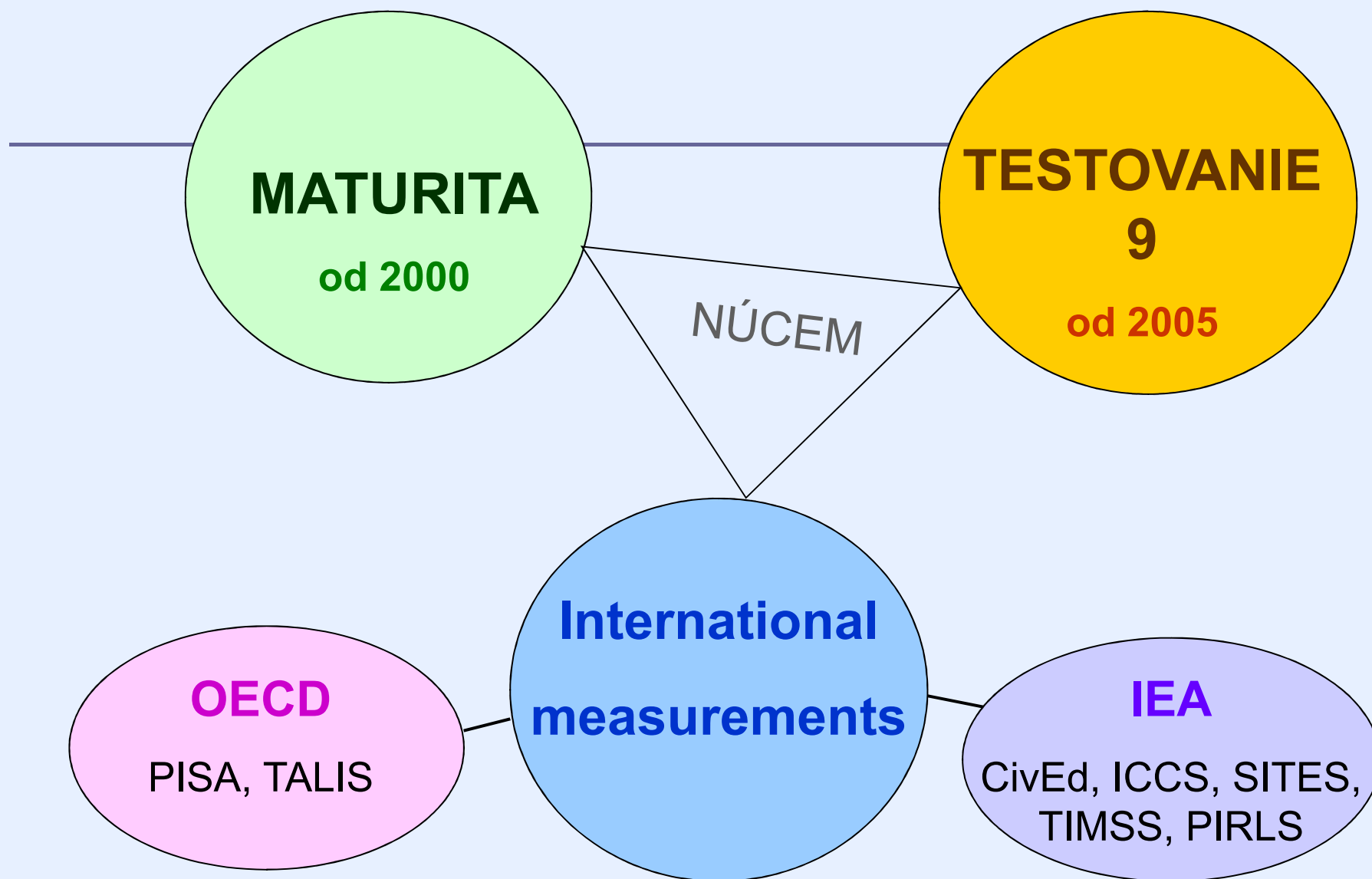
The basic mission of NUCEM is:

- realisation of certified educational measurements,
- research and development in the area of measurements and evaluation of the quality of education,
- continuous monitoring and comparison the results of education, condition and development of education at national level as well as in international comparison,
- evaluation of the quality of education at primary and secondary schools at level of national educational programmes.

NÚCEM

The basic tasks

- ❖ providing of external part and internal written part of **school leaving examination** assigned by the Ministry of Education,
- ❖ providing of external testing of pupils at primary schools – **Testing 9**,
- ❖ preparation of **international measurements** by programmes where the Slovak Republic takes part in full compliance with the rules.



Evaluation of Education

- **2000** new conception of school leaving examination - pilot testing / MONITOR (MA)
- **2003** monitoring of knowledge and skills of pupils of 9th class at primary schools / MONITOR 9 (MA, VUJ)
- **2004** in Rehearsal Examination of school leaving examination and MONITOR 9 were involved pupils with special educational needs - SEN
- **2005** external part of school leaving examination is obligatory (Regulation), national testing of pupils of 9th class at primary schools (assigned by the Ministry of Education of the Slovak Republic)
- **2007** testing of reading and mathematical literacy
- **2008** New School Act, formation of NÚCEM, Testing 9 obliged

SCHOOL LEAVING EXAMINATION – the main aims

- ❑ to verify the results achieved in education of secondary school graduates in the Slovak Republic
- ❑ to enable graduates to obtain the certificate of the level of education as a requirement of their entry to university, respectively to get a qualified job opportunity
- ❑ to verify suppositions and readiness of graduates for university study or for application in future careers
- ❑ to guarantee the objectivity of the assessment of achieved educational results and the comparability of school leaving examination with similar examinations abroad
- ❑ to influence the improvement of educational process which the pupil prepares for its implementation during

SCHOOL LEAVING EXAMINATION

- regular and substitute date
- translation of the instructions in Hungarian language
- editings for pupils with health disadvantage
- EP + IWP + IOP
- 4 subjects
 - G: SJL/MJL, CJ, 2 VO/SJSL+VO
 - SVS: SJL/MJL + SJSL, CJ, TČ OZ, PČ OZ
- max. 2 elective subjects





MATURITA

- **MONITOR 2000** SJL, AJ, MA, D
- **MONITOR 2001** SJL, MJL, AJ, NJ, FJ, MA
- **MONITOR 2002** SJL, MJL, AJ, NJ, FJ, RJ, MA, Inf, F, Ch, Bi, D, NoS
- **MONITOR 2003** SJL, MJL, AJ, NJ, FJ, RJ, ŠJ, MA, Inf, F, Ch, Bi, Geo, D, NoS
- **MONITOR 2004** SJL, MJL, UJL, FJ, RJ, ŠJ, Inf, F, Ch, Bi, Geo, D, NoS
- **Generálna skúška MS 2004** AJ, NJ, MA
- **Maturita 2005** AJ, NJ, MA
- **Generálna skúška MS 2005** RJ, FJ, ŠJ

MATURITA

- **Maturita 2006** AJ, NJ, RJ, FJ, ŠJ, TJ, MA
- **Maturita 2007** AJ, NJ, RJ, FJ, ŠJ, TJ, MA
- **Generálna skúška MS 2007** SJL, SJSL, MJL, UJL
- **Maturita 2008** SJL, SJSL, MJL, UJL, AJ, NJ, RJ, FJ, ŠJ, TJ, MA
- **Maturita on-line 2008** ŠJ, TJ
- **Maturita 2009** SJL, SJSL, MJL, UJL, AJ, NJ, RJ, FJ, ŠJ, TJ, MA
- **Maturita on-line 2009** AJ, MA
- **Maturita + maturita on-line 2010, 2011**

MATURITA

	MONITOR
	Generálna skúška
	MATURITA
	Maturita on-line

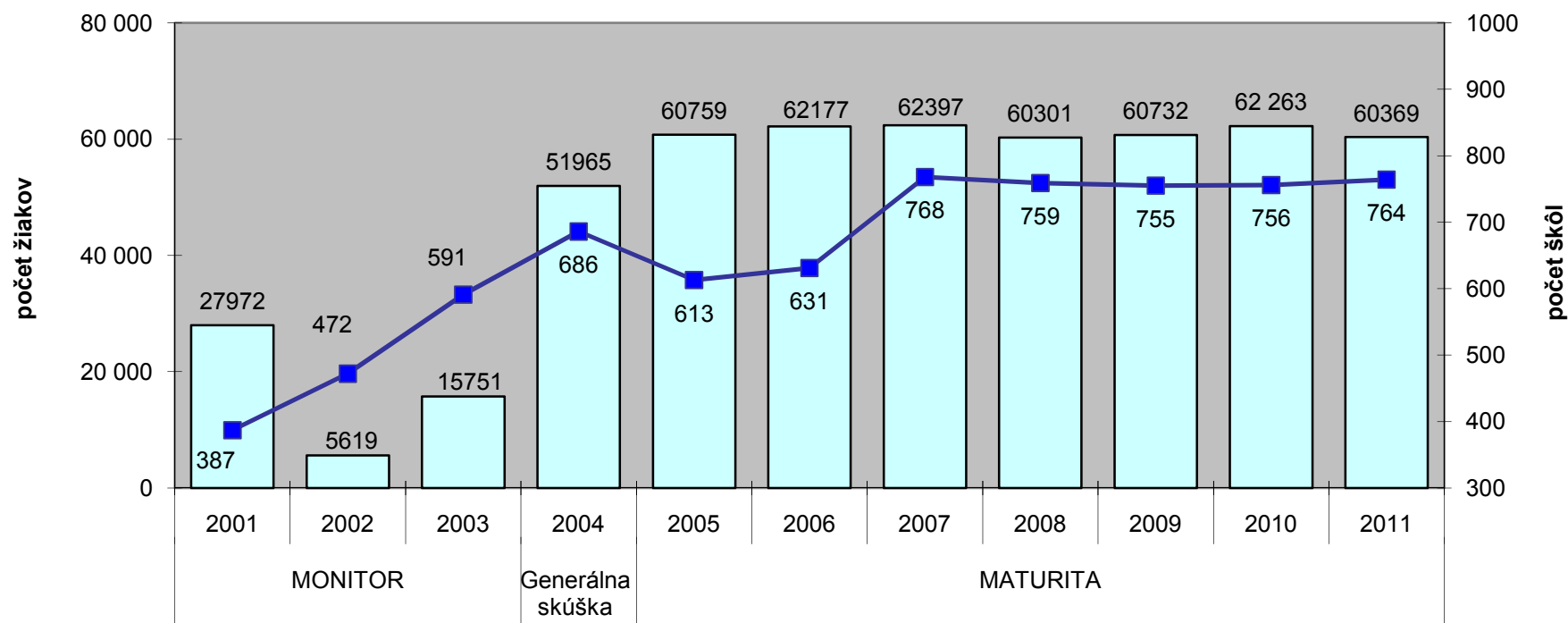
	SJL	SJSL	MJL	UJL	AJ	NJ	RJ	FJ	ŠJ	TJ	MA	Inf	F	Ch	Bi	Geo	D	Nos
00											M1, M2							
01	Sj1,Sj2				A1, A2	N2		F1			M1, M2							
02	Sj1,Sj2				A1, A2	N1,N2					M1, M2							
03	Sj1,Sj2		Mj1,Mj2		A1, A2	N1,N2					M1, M2							
04	Sj1,Sj2	Sj1,Sj2	Mj1,Mj2		A1, A2	N1,N2					M1, M2							
05					A,B	A,B					A,B							
06					A,B	A,B	A,B	A,B	A,B	A,B	A,B							
07	A,B	A,B	A,B		A,B, C	A,B, C	A,B, C	A,B, C	A,B, C	A,B, C	A,B							
08	A,B	A,B	A,B		A,B, C	A,B, C	A,B, C	A,B, C	A,B, C	A,B, C	A,B							
09					B1,B2	B1,B2	B1,B2	B1,B2	B1,B2	B1,B2								
10					B1,B2	B1,B2	B1,B2	B1,B2	B1,B2	B1,B2								
11					B1,B2	B1,B2	B1,B2	B1,B2	B1,B2	B1,B2								

MATURITA

subject	PFIČ	EČ
SJL, SJSL, UJL, MJL	150 min	90 min (40 mc + 24 o)
AJ, NJ, FJ, RJ, SJ, TJ - B2	60 min	120 min (46 mc + 34 o)
AJ, NJ, FJ, RJ, SJ, TJ - B1	60 min	100 min (36 mc + 24 o)
Mathematics		120 min (20 mc + 10 o)

MATURITA

Počet škôl a žiakov
zúčastnených v Monitore a Maturite



TESTING 9

- to obtain a view of the real state of knowledge, skills and core competencies (reading and mathematical literacy) of pupils at the exit of primary school and a capability of a graduate to pursue the further study at secondary school,
- to grant a pupil a certificate of his or her success
- monitoring the development of mathematical and reading literacy of pupils at primary schools
- to increase the objectivity of the evaluation of achievements at the exit of primary school
- acceptance of results of national testing at secondary schools according to actual decree

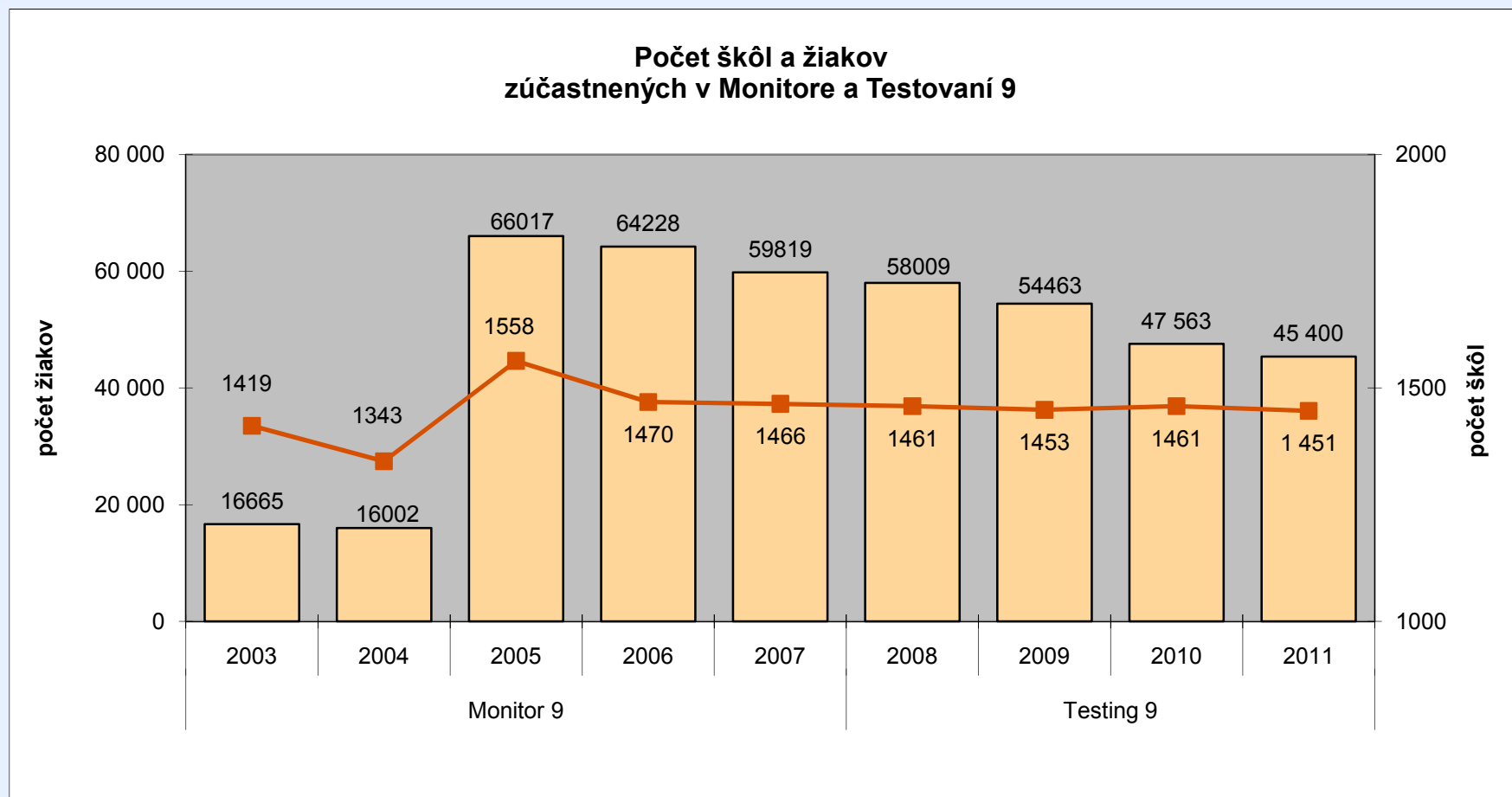
TESTOVANIE 9

- **2003** SJL, MJL, UJL, MA (sj, mj)
- **2004** SJL, MJL, UJL, MA (sj, mj)
- **2005** SJL, MJL, UJL, MA (sj, mj)
- **2006** SJL, MJL, UJL, MA (sj, mj)
- **2007** SJL, MJL, UJL, MA (sj, mj)
- **2008** SJL, MJL, UJL, MA (sj, mj) + SJSL, mathematical and reading literacy
- **2009** SJL, MJL, UJL, MA (sj, mj) + SJSL, mathematical and reading literacy

TESTOVANIE 9

Subject	Time	Test structure
SJL, UJL, MJL	45 min	20 mc
Mathematics	45 min	10 mc + 10 o
Reading literacy	30 min	7 mc + 8 o
Mathematical literacy	30 min	3 mc + 12 o

TESTOVANIE 9



INTERNATIONAL MEASUREMENTS

Overview of current measurements implemented at the 1st stage at primary school

□ **PIRLS** – reading comprehension

- **participation in the study since 2001**
- **research tools: tests and questionnaires** (student, teacher, school, parent)

□ **TIMSS** – mathematics and science

- **participation in the study since 1995 (grade 8), since 2007 (grade 4)**
- **research tools: tests and questionnaires** (student, teacher, school)

INTERNATIONAL MEASUREMENTS

Overview of current measurements implemented at the 2nd stage at primary school

- **ICCS – relation to civic education and citizenship**
 - **participation in the study since 2009** (beforehand **CivEd** 1999)
 - **research tools: tests and questionnaires** (student, teacher, school)

- **ICILS - computer and information literacy**
 - **participation in the study since 2011**
 - **computer-based assessment**
 - **research tools: tests and questionnaires** (student, teacher, school)

INTERNATIONAL MEASUREMENTS

Overview of current measurements implemented at the 2nd stage at primary school

- **PISA** – natural science , mathematical and reading literacy
 - participation in the study since 2003
 - research tools: tests and questionnaires (student+ EC + ICT, school)

- **TALIS** – survey of teaching and learning
 - participation in the study since 2008
 - research tools : pedagogical and directorial questionnaires (using of on-line filling in questionnaires, 80%)
 - non-participation on the second round

NÚCEM

NÁRODNÝ ÚSTAV CERTIFIKOVANÝCH
MERANÍ VZDELÁVANIA

Thank you for your attention.
