

Contents

Introduction **4**

1. Basic Data and Statistics **10**

About Dům zahraniční spolupráce **12**

About The Scientific Exchange Programme **14**

SCIEX 2009 – 2014 / Total numbers ... **17**

SCIEX 2009 – 2014 / Home institutions ... **18**

SCIEX 2009 – 2014 / Host Institutions ... **20**

SCIEX 2009 – 2014 / Docs/Postdocs Fellows ... **22**

SCIEX 2009 – 2014 / Research Fields in Numbers ... **24**

2. Profiles of the SCIEX fellows 26

Mathematics, Natural and Engineering Sciences 29

- Mathematics ... 29
- Engineering Sciences ... 32
- Environmental Sciences ... 41
- Earth Sciences ... 46
- Astronomy, Astrophysics and Spatial Sciences ... 48
- Chemistry ... 49
- Physics ... 56

Human and Social Sciences 62

- Philosophy, Psychology, Educational Science and Religious Sciences ... 62
- Legal and Social Sciences, Economics ... 64
- History ... 65

Biology and Medicine 66

- Clinical Medicine ... 66
- Basic Medical Sciences ... 67
- Environmental Sciences ... 68
- Basic Biological Research ... 69
- General Biology ... 76

3. Objectives and Achievements of the SCIEX projects 78

4. Czech SCIEX Success Stories 90

- Martina Plačková ... 92
- Lukáš Kurilla ... 94
- Lenka Maierová ... 96
- Luděk Strouhal ... 98
- Michal Jeníček ... 100
- Hana Doležalová ... 102
- Jiří Vackář ... 103
- Roman Juras ... 104
- Ivana Orlitová / Stoklasová ... 106
- Viliam Kolivoška ... 108
- Štěpán Stehlik ... 110
- Petr Pokorný ... 112
- Ondřej Matějka ... 114
- Darina Koubínová ... 116
- Zdeňka Svobodová ... 119