

| No.SI | Project Title Slovenian  | Project title English   | Basic (B) Applied (A) | PI SI               | Institution SI  | PI CZ             | Institution CZ   |
|-------|--|---|-----------------------|---------------------|---|-------------------|--|
| 1     | Češka in slovenska družba na poti v moderno gospodarsko, politično in kulturno sodelovanje čeških dežel/Češkoslovaške in Slovenije/Jugoslavije v 19. in 20. stoletju   | Bohemian and Slovene Society on their Way to Modernism; Economic, Political and Cultural Cooperation between Bohemian Lands/Czechoslovakia and Slovenia/Yugoslavia in the 19th and 20th Centuries | B                     | Žarko LAZAREVIČ     | Institut of Contemporary History  | Eduard KUBU       | Institute of Economic and Social History<br>Charles University<br>Faculty of Arts                      |
| 2     | Čehi in Slovenci v spremembah Evrope 20. stoletja.   | The Czechs and the Slovenes in the European Changes of the 20th Century   | B                     | Jože PIRJEVEC       | University of Primorska<br>Science and Research Centre of Koper         | Jan PELIKAN       | Charles University In Prague<br>Faculty of Philosophy And Arts<br>Institute of World History           |
| 3     | Voda in solvatacija nepolarnih ter ionskih toplicev  | Water and Hydration of Nonpolar and Ionic Solutes   | B                     | Vojeslav VLACHY     | University in Ljubljana<br>Faculty of Chemistry and Chemical Technology | Ivo NEZBEDA       | J. E. Purkinje University<br>Faculty of Science  |
| 4     | Grafovskie particije in njihova uporaba  | Graph Partitions and their Applications   | B                     | Riste ŠKREKOVSKI    | Institute for Mathematics, Physics and Mechanics                        | Zdenek DVORAK     | Charles University<br>Faculty of Mathematics and Physics<br>Institute for Theoretical Computer Science |
| 5     | Razvoj novih antituberkuloznih agensov in predzdravil učinkovitih proti MDR tuberkulozi  | Development of Novel Antituberculosis Agents and Prodrugs Effective against Multidrug Resistant Tuberculosis  | B                     | Slovenko POLANC     | University of Ljubljana   | Jarmila VINŠOVA   | Charles University<br>Faculty of Pharmacy  |
| 6     | Dezinfekcija bolnišničnih tekstilij in čiščenje odpadnih vod v membranskem bioreaktorju  | Disinfection of Hospital Textiles and Waste Water Treatment Using Membrane Bioreactor   | A                     | Sonja ŠOŠTAR TURK   | University of Maribor<br>Faculty of Health Sciences                     | Markéta HUDCOVA   | Textile Testing Institute  |
| 7     | Biodiverzitetni vzorci in procesi Jugovzhodne Evrope   | Biodiversity Pattern and Processes in South-Eastern Europe  | B                     | Boris KRYŠTUFEK     | University of Primorska<br>Science and Research Centre of Koper         | Vladimir VOHRALIK | Charles University in Prague<br>Faculty of Sciences  |
| 8     | Strojno učenje neuravnoteženih podatkov  | Machine Learning of Imbalanced Data   | A                     | Igor KONONENKO      | University of Ljubljana<br>Faculty of Computer and Informaion Science   | Petr SAVICKY      | Academy of Sciences of the Czech Republic<br>Institute of Computer Science v.v.i.                      |
| 9     | Reakcije fosfatov in fosfonatov z organotitanovimi(IV) fluoridi in alkoksidi   | Reactions of Phosphates and Phosphonates with Organotitanium(IV) Fluorides and Alkoxides  | B                     | Andrej PEVEC        | University of Ljubljana<br>Faculty of Chemistry and Chemical Technology | Jiri PINKAS       | Masaryk University   |
| 10    | Razvoj in uporaba monoklonskih protiteles za detekcijo patološke in celične oblike prionskega proteina v celičnih kulturah in krvi                                     | Development and Utilization of Anti- Prion Monoclonal Antibodies for Detection of PrP <sup>sc</sup> /PrP <sup>C</sup> in Cell Cultures and Blood  | B                     | Vladka ČURIN ŠERBEC | Blood Transfusion Centre of Slovenia                                    | Karel HOLADA      | Charles University<br>1st Faculty of Medicine<br>Institute of Microbiology and Immunology              |
| 11    | Lokalna klima in topoklimatsko kartiranje na primeru Slovenske Istre in osrednje Moravske  | Local Climate and Topoclimatic Mapping: Case Study Slovene Istria and Central Moravia   | A                     | Darko OGRIN         | University of Ljubljana   | Miroslav VYSOUDIL | Palacky University<br>Faculty of Science<br>Department of Geography                                    |
| 12    | Mikro-tektonske deformacije v kraških jamah, merjenje z ekstenziometri TM 71 in nihalom  | Micro-Tectonic Deformations in Karst Caves, Extensometers TM 71 and Pendulum Monitoring   | A                     | Stanka ŠEBELA       | Scientific Research Centre of Slovene Academy of Sciences and Arts      | Josef STEMBERK    | Academy of Sciences of the Czech Republic<br>Institute of Rock Structure and Mechanics                 |
| 13    | Računski model za določitev nosilnosti velikih aksialnih ležajev   | A Computational Model for Determination of Load Capacity of Large Slewing Bearings  | B                     | Srečko GLODEŽ       | University of Maribor<br>Faculty of Natural Sciences and Mathematics    | Miroslav ŠPANIEL  | Czech Technical University in Prague<br>Faculty of Mechanical Engineering                              |
| 14    | Identifikacija sistemov na podlagi Gaussovih procesov za uporabo v vodenju prometa   | System Identification Based on Gaussian Process Model for Traffic Control Applications  | A                     | Juš KOCIJAN         | Jozef Stefan Institute  | Jan PRIKRYL       | Czech Academy of Sciences<br>Institute of Information Theory and Automation                            |
| 15    | Varna hrana in krma. Strategije vzorčenja ter analize.   | Food and Feed Safety. Sampling and Analytical Strategies  | A                     | Jana ŽEL            | National Institute of Biology   | Jaroslava OVESNA  | Crop Research Institute  |
| 16    | Predstavitev in evalvacija znanstvenega dela   | Presentation and Evaluation of Science Performance  | B                     | Alenka ŠAUPERL      | University of Ljubljana<br>Faculty of Arts                              | Richard PAPIK     | Univerzita Karlova v Praze<br>Filozofická fakulta  |
| 17    | Raziskovalni model za merjenje uspešnosti grozdov ter učinkovitost politike v podporo grozdom, vključno s študijami primerov izbranih grozdov na Češkem in v Sloveniji | Research of a Model for Measurement of Cluster Performance and Efficiency of Cluster Policies incl. Case Studies of Selected Clusters from the Czech Republic and Slovenia                        | B                     | Igor PRODAN         | University of Ljubljana<br>Faculty of Economics                         | Libor FRIEDEL     | Tomas Bata University in Zlin  |