

International Projects

1. COST Action FP1106 -2015 “STReSS - Studying Tree Responses to extreme Events: a SynthesiS” – **position:** participant in MC, Working Group 2 and national coordinator.
2. COST FP Action ES1101-2014 „Harmonizing Global Biodiversity Modelling (HarmBio) – **position:** participant in MC, Working Group 1 and national coordinator.
3. COST Action ES0805/2010-2013: The Terrestrial Biosphere in the Earth System - **position:** participant in MC, Working Group 3 ”Modeling Plant Ecology” and national coordinator.
4. EP „Environment“/„Natura Bulgaria” Consortium. Д-30-38/21.03.2011 – 25.03.2013. “Mapping and identifying of the environment – protected state of habitats and species – 1st fase”; Lot 6 - Mapping and identifying of the environment – protected state of vascular plants, mosses and habitats – **position:** key expert.
5. № BG 0031– EEA FM (2009-2011)"State and prospects of the *Castanea sativa* population in Belasitsa mountain: climate change adaptation, maintenance of biodiversity and sustainable ecosystem management". National coordinator - Tz. Zlatanov- [Forest Research Institute, BAS](#) & [Icelandic Forest Research; EEA Norway Grants](#) - **position:** expert .
6. Contract No 4-25-2008, Funding organization AustrianScience and Research Liaison Office, 2008 - 2009. A science based approach to understand biodiversity driven functions and services for improving wetland management; R. Kalchev (national coordinator), Institute of Biodiversity and Ecosystem Investigations, BAS - **position:** expert.
8. BBI/MATRA Project № 2006/014 Alterra –Wageningen/Green BalkansWildlife Society/Bulgarian Foundation of Biodiversity/2006-2008. “Favourable Conservation Status of Nature - 2000. Habitats and Species in Bulgaria”. Zinstr, H. (manager). I. Marin (national coordinator) Task: Development of Criteria for Favourable Conservation Status of Species and Habitats – **position:** key expert. (Inventory of conservation important regions and species in following districts – Osogovo Mountain, “Gabra” district, Dospat ravine).
9. Europe Aid/120600/D/SV/BG: Strengthening of administrative capacity at local level for implementation of environmental legislation (funded by Phare, 2007 – 2008) – **position:** key expert.

Bilateral Projects

10. Bulgarian National Scientific Fund/France/2005 – 2007 ”Estimation of dynamics of structure and functions of Chestnut communities (*Castanea sativa* Mill.) – Belasica in condition of global climatic changes”. Manager S. Bratanova, Institute of Biodiversity and Ecosystem Investigations, BAS - **position:** consultant.

11. Bulgarian National Scientific Fund/France/2005 – 2007 “Plant biomonitoring of pollutants O₃, NO_x и SO₂ in natural and urban environment. Initial studies in Bulgaria and comparison with the situation in France”. Manager S. Bratanova, Institute of Biodiversity and Ecosystem Investigations, BAS – **position:** consultant.

12. Institute of Botany and Mycology, BAS/University of Sofia/Sweden, Lund University/IMES/1997-2000/IEDA PROJECT: Integrated environmental diagnosis and assesment: Ecological systems at risk in Bulgaria- Montane and coastal forest communities. **Position:** consultant.

National Projects

13. Bulgarian National Scientific Fund /ДДВY0253/20.12.2010/2010-2012 “Role of the underground plant mass in the annual fixation of CO₂ from forest ecosystems of main tree species in Bulgaria”. Manager V. Dimitrova, Forest University, Sofia – **position:** consultant <http://belowground-phytomass.com>

14. Bulgarian National Scientific Fund/№ДК07ПП02/21 - „Application of information technologies for modeling of forest ecosystems as an approach for the development of dynamic global vegetation models”. – **position:** manager.

15. Bulgarian National Scientific Fund/YS-BG/12.07/2002-2006, № 2354 “Phytocoenological investigations in reserve “Kamenshtiza”, Central Balkan Mountain”. Manager K.Pachedjieva, Department of Ecology and EP, SU – **position:** consultant.

16. Bulgarian National Scientific Fund/YS-BG/ 2007-2008 “Research on environmental characteristics of chestnut forests for use as a model for multifunctional forest management”. Manager V. Dimitrova, University of Forestry, Sofia - **position:** consultant.

17. Bulgarian National Scientific Fund/ № BY- AH- 4 /2005-2009 ”Dendroclimatic Analysis for Changes of Air Temperature and Precipitation in South-Western Bulgaria”. Manager St. Mirchev, University of Forestry, Sofia - **position:** key expert.

18. Bulgarian National Scientific Fund/ Ministry of regional development, Bourgas Municipality/1992-1996 “The complex investigations about the structure and functions of the xerophytes /forest/ ecosystems in Bulgaria”. Manager: I. Bondev, SU – **position:** regional expert.

19. Bulgarian National Scientific Fund/ Ministry of regional development, Bourgas Municipality/1987-1990 “ The complex ecological investigations in the region of III-th Metallurgy base – Bourgase before start of exploitation”. Manager: I. Bondev, SU – **position:** regional expert.

Institutional Projects

20. University of Sofia Scientific Fund /N21/15.04.2013. Functional investigations of xerothermic oak ecosystems in Protected Zone “Zapadna Stara Planina I Predbalkan” - **position:** manager.

21. University of Sofia Scientific Fund/N025/2009 “Investigations about connection between production and energetically level of water state in *Zea mays* L. agroecosystem at the conditions of “Dragalevtzi” Study – Experimental Base” – **position:** manager.
22. PUDOOS/2006-2008: Red Book of Bulgaria, t. 3 – Nature habitats. Chief redactor N. Chipev. – **position:** expert.
23. University of Sofia Scientific Fund/№351/2001-2002/№ 3356 ”Ecological assessment of the *Juniperus excelsa* L. state in “Tisata” Reserve and the influence factors on the species decline” – **position:** manager.
24. University of Sofia Scientific Fund/2001 – 2002 “Investigations about biological active substance in the *Chenopodium botrys* phytomass and ecological factors”. Manager: D. Dimitrov, Department of Botany, SU– **position:** key expert. .
25. University of Sofia Scientific Fund/358/2001-2002(N3360) “Ecological assessment of the *Piceeta excelsa* L. formation state and the influence factors on the Norway spruce decline in the “Tchuprene” Biosphere Reserve, Western Balkan Mountains” – **position:** manager.
26. University of Sofia, Faculty of Biology, Department of Ecology/ Ministry of regional development , Etropole Municipality/1992-1994”The complex ecological and nature-protectional investigation about biotopes and biocoenoses of natural and agricultural ecosystems in the region of Etropole district”. Manager: R. Doichev, SU – **position:** regional expert.

PROJECTS_2000

27. IEDA PROJECT: Integrated environmental diagnosis and assessment: Ecological systems at risk in Bulgaria- Montana and coastal forest communities (funded by European Scientific Fund, 1997-2000).
28. The phytoecological investigations of the relict ecosystem in the region "Boishte" in the Western Balkan Mountains(funded by University of Sofia Scientific Fund, 1997 – 1998).
29. The complex ecological and nature-protect ional investigation about biotopes and biocoenoses of natural and agricultural ecosystems in the region of Etropole district(funded by Etropole Municipality, Ministry of regional development, 1992 – 1994) .
30. The complex investigations about the structure and functions of the xerophytes (forest) ecosystem in Bulgaria(funded by Bourgas Municipality, Ministry of regional development, 1992 – 1996).
31. The complex ecological investigations in the region of III-th Metallurgy base – Bourgas before start of exploitation (funded by Bourgas Municipality, Ministry of regional development, 1987 – 1990).