

## Tolmasbek Boltayev

**PERSONAL**                   DOB: 05 Dec 1981; Uzbek;

**DATA:**                       Address: Sparrstr.9, 13353 Berlin, Germany; tolmasb{at}yahoo.com;

**EDUCATION:**

<b>Institution</b>	The Leibniz Centre for Agricultural Landscape Research (ZALF), Müncheberg Germany
<b>Dates</b>	2017 – present
<b>Degree obtained</b>	PhD student
<b>Research title</b>	Impacts of agricultural land use change on land degradation process in Uzbekistan

<b>Institution</b>	Department of Resource Economics, Humboldt - Universität zu Berlin, Germany
<b>Dates</b>	2014 – 2016
<b>Degree obtained</b>	Exchange student
<b>Research title</b>	Institutional analysis of irrigated land degradation in Uzbekistan

<b>Institution</b>	Royal Institute of Technology (KTH); Stockholm, Sweden
<b>Dates</b>	2003-2004
<b>Degree obtained</b>	M.Sc. in Land Management (tracking number 811205-A373), 2008
<b>Thesis title</b>	Urban Planning process in Uzbekistan

<b>Institution</b>	Tashkent Institute of Irrigation and Agricultural Mechanization Engineers, Uzbekistan
<b>Dates</b>	1998-2002
<b>Degree obtained</b>	B.Sc. in Surveying, (tracking number B 007787), 2002
<b>Thesis title</b>	Analysis of GIS application on land management and surveying in Uzbekistan.

**RESEARCH INTEREST**

- Sustainable Land Management, Land degradation, Climate change adaptation, Application of Remote Sensing, Modeling, Agricultural Economics

**PERSONAL SKILLS**

- Scientific skills: wrote articles in international journals, wrote teaching books, manuals for master students. Attended Ph.D. courses PromotionsKolleg, developed research proposal, adapted to different scientific levels, presented at research colloquiums.
- Strong communication/presentation skills: presented data clearly and confidently to both small and large groups, at home or abroad, at conferences and lessons in English.
- Strong synthesizing, writing, and information technology skills: Wrote funding application and coordinated projects. Applied GIS and Remote sensing tools in Land Use, Land Cover change
- Interpersonal skills: coached and collaborated with other scientists, exchanged constructive feedback and support, learned delegating responsibility.
- Adaptability skills: worked independently and in team settings with people from diverse cultures. Worked under limited time periods with pressure to achieve goals and targets on time, set realistic goals

**COMPUTER SKILLS**

- Scientific applications: EndNote, SPSS, Citavi, QCA
- GIS software: ArcGIS, ENVI, Erdas, Modeling: GAMS, NetLogo, FoPIA

**AWARDS**

- Best student award in Math and Physics in B.Sc. study period, 1998, 1999
- Scholarship of Government of Uzbekistan to study B.Sc. at TIIM, Tashkent, 1998
- Scholarship of Swedish International Development Agency to study M.Sc. at KTH, Stockholm, 2003
- Scholarship of Erasmus Mundus EACEA II to study Ph.D. at HU, Berlin, 2014

**AFFILIATIONS**

- Co-founder of German-Uzbek Scientific-Cultural Society “Nihol” e.V. Since 2015

- Water Management Expert; Amudarya Basin Network. East-West Institute, Brussels. Since 2013
- Eurasian – Pacific UNINET Educational network, Austria. Since 2010

#### **TRAININGS** (*Certificates are available upon request*)

##### **GIS & Remote sensing courses:**

- 2013:** “Studies in Spatial Analysis”.University of Salzburg, Austria;
- 2012:** “Use of GIS techniques in Natural Resources Management”. GFZ, Potsdam, Germany ;
- 2011:** “Remote Sensing for Land Use and Land Cover Mapping”. GFZ, Potsdam, Germany;
- 2011:** “Spatial Analysis in GIS”. International GISCA’11 Workshop; KazNU, Almaty, Kazakhstan;
- 2010:** “GIS for Energy Issues of Central Asia”.International EnerGIS10, Tajik Agrarian University, Dushanbe, Tajikistan;
- 2010:** “Water Resources and Environment by Remote sensing”. ENVI 4.x. GOFC-GOLD/ SIC-ICWC, Uzbekistan;

##### **Environmental Protection courses:**

- 2012:** “Involuntary Resettlement Training for Social Development Specialists”; Video Training URM-ADB, Tashkent; Uzbekistan
- 2011:** “Water Resources Management in Central Asia”. EU Tempus-SWAN Project. Kyrgyz National University; Kyrgyzstan
- 2011:** “Adaptation to Climate Change/Sustainable Natural Resources Management”, GIZ/UNDP/CACILM project; Uzbekistan
- 2011:** “Sustainability from an abstract idea to daily reality”. UNDP/GIZ/GEF/CACILM project. Tashkent, Uzbekistan;
- 2011:** “Water Resources Management” EU Tempus-SWAN Project; Warsaw University of Life Sciences, Poland;
- 2009:** “Advanced Technologies in Land Management”. EU Tempus LAREMA University of Ljubljana; Slovenia;
- 2009:** “Public Management of Urban Change in Transitional cities”. Central European University, Budapest, Hungary

##### **PhD and Master courses:**

- 2016: “Environmental and Resource Economics II”, Prof. Klaus Eisenack, Humboldt University of Berlin.
- 2016: “Theory and models for an integrated analysis of ecosystem services” Prof. Müller, ZALF, Munchenberg.
- 2015: “Agrarian institutions, contracts and bargaining models: Theory & Applications”, Prof. Nuppenau, Uni Giessen.
- 2015: “Foundations of Agricultural Economics: Selected Topics”, Prof. Koester, IAMO, Halle.
- 2014: “Theory, Analysis and Empirical Study of Institutions and Organisations part 2 – the Scientific Process and Methods” Prof. Bokelmann, Prof. Hagedorn, Humboldt University of Berlin. TOTAL (24 Credits)

#### **EMPLOYMENT RECORD:**

<b>Employer</b>	Asian Development Bank, World Bank, Uzbekistan (2011 – 2014)
<b>Positions</b>	Land Acquisition and Resettlement Specialist
<b>Tasks</b>	Social, economic survey of project affected households, writing land acquisition and resettlement plans, frameworks (LARP,LARF, RAP, RPF). Analysis of gaps between Uzbek legislation and ADB, WB policy on land acquisition. Interviews, Focus Group Discussions, public consultation meetings with stakeholders, public organizations and affected households. Valuation of resettlement impact due to land acquisition.

<b>Employer</b>	Tashkent institute of Irrigation and Melioration – TIIM (2004 – 2014)
<b>Division</b>	Land Use and Land Management
<b>Positions</b>	Associate Teacher & Lecturer, Leading Specialist, Project Coordinator
<b>Tasks</b>	Assisted to professor in delivering lectures. Taught practical lessons and lectures for B.Sc and M.Sc students. Supervised student thesis works. Supervised in publishing articles, published articles and teaching manuals.  Coordinated and managed EU funded Tempus-LAREMA, Tempus-SWAN projects, Wrote project proposals and submitted to different Funds. Organization of International Conferences, Workshops, Delivered trainings. Developed Curriculum as of EU standards in Land Management and Geoinformatics.

## LANGUAGES:

Language	Speaking	Reading	Writing
Uzbek – mother tongue	excellent	Excellent	excellent
Russian	excellent	Excellent	excellent
English	excellent	Excellent	excellent
German (B1)	Average	Average	Beginner

## PUBLICATIONS:

### Teaching manuals developed in Uzbek:

1. Boltayev T, Rakhmonov Q (2015) *Geoinformation Systems and Science*. TIIM, Tashkent, (approved by Ministry of Higher Education of Uzbekistan) financed by Tempus GE-UZ Project. Teaching tutorial is designated to MSc students
2. Boltayev T (2009) *Geographic Information Systems*. Land Tenure Development Center, (LTDC), TIIM, Tashkent, (approved by the Scientific-Methodological Council of TIIM) financed by EU Tempus LAREMA Project. Teaching tutorial is designated to MSc students
3. Bobojonov A, Chertovitsky A, Boltayev T (2009) *Urban and Rural Land Development*. LTDC, TIIM, Tashkent, (approved by the Scientific-Methodological Council of TIIM) financed by EU Tempus LAREMA Project. Teaching tutorial is designated to MSc students

### Articles in English:

4. Boltayev T, Shokirov Sh, Abdurakhmanov I (2014) *Geoinformation education towards sustainable development of Uzbekistan*; Proceedings of Annual GISCA'14 International Conference; Chinese Academy of Science, Urumqi, China. May 29-31
5. Shokirov Sh, Boltayev, Abdurakhmanov I (2014) *Assessment of pasture land degradation by remote sensing methods: example of Farish district, Uzbekistan*. Proceedings of Annual GISCA'14 International Conference; Chinese Academy of Science, Urumqi, China. May 29-31
6. Boltayev T, Akbarov O, Shermanov U (2011) *GIS based water management efficiency attempt in Water Users Associations located in South Ferghana Canal basin*; Proceedings of Annual GISCA'11 International Conference; KazNU, Almaty, Kazakhstan, May 23-28;
7. Boltayev T (2005) *The efficiency of application of GIS in land registration and appraisal*. Republican Scientific Conference on "Organization of Land use and land appraisal problems"; May 18-19; Tashkent, Uzbekistan; 86-87pp.

### Articles in Uzbek:

8. Boltayev T, Mamatov F (2011) *Sustainable Water Resources Management in Central Asia*. journal ECONews; Uzbekistan, №01, page 45; ([www.econews.uz](http://www.econews.uz));
9. Ruziev S, Boltayev T (2010) *Integration of Agricultural Industry as main factor of increasing of land use efficiency*. International Conference on "Land Management Experiences and Challenges" in frame of Tempus-LAREMA conference. February 1-4, TIIM, Tashkent, Uzbekistan; p.193
10. Boltayev T, Ruziev S (2010) *Improving land related legal background of farmers towards land reform*. Tempus-LAREMA dissemination conference. February 1-4, TIIM, Tashkent, Uzbekistan; p.240