

## **CURRICULUM VITAE**

### **Alexej Gunya**

Born - December 28, 1961

Citizenship: Russian

Social status: Married, four children

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## **CURRENT ENGAGEMENTS**

Russian Academy of Sciences, Institute of Computer Science and Problems of Regional Development (Kabardino-Balkarian Scientific Center, Nalchik) and Institute of Geography (Moscow)

The **main focus** of research is the sustainable development of mountain areas, which encompasses the estimation of regional trends, risk factors, informal and formal institutions of land and resources use, analyses of the regional and local development strategies.

## **EDUCATION**

1982-1987 - Moscow State University of M.Lomonossov, Department of Geography.

1987 - Diploma of Moscow State University M.V.Lomonossov: The natural-economic interrelations in Prielbrusje (Caucasus).

1990 - PhD: «Monitoring of high mountain areas using ground and aerospace images, case study of the National park “Prielbrusje”».

1994-1995 - investigation project at the University of Nuremberg-Erlangen (Germany), geographical department (project: Resources, hazards and sustainable development in the Yagnob river valley (Tajikistan).

2000-2002 - Education and training within the international Program “Leadership for Environment and Development (LEAD)” ([www.lead.org](http://www.lead.org))

2005 – Doctoral degree. Thesis for a Doctor's degree: “Regional trends of regional development”. Moscow, Institute of Geography Russian Academy of Sciences.

## **PROFESSIONAL EXPERIENCE**

Since 1991-Institute of Geography, Russian Academy of Sciences, D.Sc., senior scientist.

Senior lecturer at the University of the Friendship of the People (Moscow) (2002-2004).

Since 2002 - Institute of Informatic and Problems of Regional Development, Kabardino-Balkarian Scientific Center, Russian Academy of Sciences (Nalchik), Dr., chief research officer.

### ***Field Investigations:***

1991-1995 - Organiser of works and head of expedition in Tajikistan (institute project "Tajikistan-XXI century. Electronic Atlas of development scenarios", in co-operation with the University of UNO)

1986-1990 and 1996-2004 – Organiser of works and head of expedition in Northern Ossetia, Kabardino-Balkaria, Karachaevo-Cherkessia, Adygea, Stavropol and Krasnodar Regions

Since 1999 – Leader of the institute's scientific program "Regional development trends and management"

2000 – Knowledge transfer and experience exchange with Russia and CIS: sustainable development of the mountain regions. Research project in common with Alpenforschungsinstitut (Garmisch-Partenkirchen) and Bundesministerium für Umwelt, Naturschutz und Reaktionsicherheit (Germany).

2001 (December) – Taking part at the project: Minority Rights Information System (MIRIS), Europäische Academy, Bozen/Bolzano (Italy). Preparation of the data from Caucasus regions to the MIRIS data base.

2001-2002. - Research project together with Alpenforschungsinstitut (Garmisch-Partenkirchen) and Bundesministerium für Umwelt, Naturschutz und Reaktionsicherheit (Germany): "Opportunities for transnational and cross-border co-operation in the Caucasus - a contribution to the international year of the mountains"

2003-2005 - Research fellow at the FU Berlin, Institute of East European Studies, project „Accounting for State-building, Stability and Violent Conflict. The Institutional Framework of Caucasian and Central Asian Transitional Societies“

### **Publications:**

#### ***Books:***

1. Opportunities for transnational and cross-border co-operation in the Caucasus - a contribution to the international year of the mountains 2002. Berlin, Bundesministerium für Umwelt, Naturschutz und Reaktionsicherheit, 2002. 58 pp. Co-author Th. Bausch. Separate books in English, German and Russian.
2. Yagnob Valley – nature, history, and chances of a mountain community development in Tajikistan. Moscow, KMK Scientific Press Ltd. 2002. 108 pp. In English.
3. Trend Change and Development of a Mountain Region: Methodology, Geographical Analysis and Management Abilities. Nalchik; KBSC RAS. 2004. 224 pp. In Russian.

#### ***Articles*** (selection from 76 articles):

1. Land use in Prielbrusje//Bulletin of MSU, series 5, 1989, N 6 (in co-authorship) (in Russ).
2. Environmental-economic situation - methodological aspects of study in Prielbrusje region//Proc. of the Conference " Rational landuse in mountains, Beshkek, 1991 ( in co-authorship, in Russ ).
3. Monitoring of High mountains using ground and aerospace images, National park " Prielbrusje" case study" // MSU, 1990 ( in Russ ).
4. Mountains of the former USSR: richness, diversity, uncertainty // State of the World's mountains. Global report. Wed. Book publications, London, New- Jersey. For the

- Conference on Environment and Development, UNO , Brasilia, (in Engl., in co-authorship, preparation of statistical data).
5. Transformation of Mountains geosystems: affects on environment, with the use of GIS. Materials of the 5th Conference on thematic mapping: " Resource- ecological mapping of Siberia on the basis of the modern informational technologies", 1993, (in co- authorship, in Russ.).
  6. Mountain landscapes and agricultural land use // Agricultural land use. MSU, 1993. P. 118-124. (in Russ.).
  7. Traditional economy and structural changes an outlying mountain area by the example of Yagnob river ( Tajikistan ) // Mitteilungen der Frdnkischen Geographischen Gesellschaft. N 41. 1994. P.465-487. (in co- authorship, in Germ.).
  8. GIS technology and investigations of mountain landscapes // Proc. of the Conference " GIS technology. Management. Land use. Business.". Moscow, 1995 (in co- authorship, in Russ.). P. 46-47.
  9. Electronic Atlas-scenario of Tadjikistan. In: International Symposium on Karakorum-Hindukush-Himalayan: dynamics of Change, Abstracts. 1995 ( in Engl., in co-authorship).
  10. Resources, risks and possibilities for sustainable use in the Jagnob Valley, Tajikistan// Petermanns Geographische Mitteilungen. N 2, 1996. P. 67-94. In Germ.
  11. Landscape - geographical conditionally of the mountain tajiks setting in 1940-1980 (Carategin case study )//Bulletin of Russian Academy of Science, N 2, 1997. P. 109-115. In co-authorship, in Russ.
  12. At Critical Juncture. In: Surviving Together. Vol.15, issue 1, spring 1997. P. 25-27. (in co-authorship).
  13. Traditional agricultural landscapes and recreation in the Elbrus region//Landscape Ecology: things to do. Proactive thoughts for the 21st century. Proceedings, Amsterdam, 6-10 October 1997. P. 31.
  14. Landscapes geographical base of the natural and economic regions and functional zones of High mountain // Bulletin of Kabardino-Balcarian department of Russian Academy of Science, Nalshik, 1997. in Russ.
  15. Modern problems of land use in the upper Baksan // Bulletin of Russian Academy of Science, N3, P. 59-68. In Russ. (in co-authorship).
  16. Aufgaben und Ansaetze einer raumplanerischen Entwicklungssteuerung im oberen Baksantal/Nordkaukasus. In: Mitteilungen der Fraenkischen Geographischen Gesellschaft. 1999. Bd. 46. S. 267-303. Deutsch.
  17. Azerbaijan. In: Cooperation in the European Mountain. 2: The Caucasus. IUCN. Environmental Research Series 13. 2000. P. 21-33.
  18. Kabardino-Balkaria. P. 85-94.
  19. Ingushetia. P. 107-113.
  20. Tchechen Republic Itchkeria. P. 114-121.
  21. Stavropolsky kray. P. 122-127.
  22. Dagestan. P. 128-137.
  23. Inter-mountain basins as the centres of the mountain development. In: Centres and axis of the regional development. Moscow, Institute of Geopgraphy, 1998, p. 112-118.
  24. GIS- technology in the regional development. In: New factors in the regional development. Moscow, Institute of Geopgraphy, 1999, p. 70-75. In Russ.
  25. Atlas of Adygea Republic. Co-editor. Maikop. 2001. In Russ.
  26. State of the transboundary co-operation in the Caucasus and the lessons from the Alpine Convention. Caucasian geographical review. 2002. №1. PP. 27-30. In Russ.
  27. Structure and transformation of the existential space of a mountain community (Yagnob Valley case study, Tajikistan). In: Nature and self-organisation of society. Social and

- natural history. Issue 22. Moscow, Moscovsky lizei. 2002. PP. 183-184.
28. Applicability of the Alpine Convention model on the mountain regions of CIS: The example of the Caucasus mountain. International Mountain Symposium, 30 Sept – 4 Oct 2001, at Interlaken, Switzerland. Conference materials. Co-author T. Bausch: <http://www.wms2001.ch/cd>
  29. The Carpathian Convention: an agreement for the preservation and sustained development of one of Europe's mountain ranges. Academia, N28, Europaeische Academie; Bozen, 2002. C. 29.
  30. Landscapes and nature management of Kosh-Agachsky district of Altai Republic. Proceedings of RAS, Geographic series. 2002. №5. PP. 83-90. Co-Authors A.V. Drozdov, G.S.Samojlova. In Russ.
  31. GIS of Mountain region: conception of Tadjikistan electronic atlas. Collected articles of international conference "Modeling of regional economic and medico-ecologic processes". Nalchik; KBSC RAS. 2002. PP. 54-59. co-authors Klassen V.P., Shirokov A.B. In Russ.
  32. Caucasian convention and problems of sustainable development in the region. Collected works of international conference "Modeling of regional economic and medico-ecologic processes". Nalchik; KBSC RAS. 2002. PP. 59-61. In Russ.
  33. Preserving Ethnic Diversity in Tajikistan's High Mountain Valleys. In: Russian Conservation News. No.30. Summer 2002.. P. 20-22.
  34. Regional development trends and Opportunities for transnational and cross-border co-operation in the Caucasus. In the book "Cross-border problems of CIS countries". 2003. Moscow, Opus, P. 111-122. In Russ.
  35. Dynamique et stabilite de la communaute montagnarde du Yaghnob (Tadjikistan du nord)/Les Montagnards d'Asie Centrale. Cahiers d'Asie centrale N 11/12. Pp. 161-178. Tachkent – Aix-en-Provence. 2003.
  36. Northern Caucasus: resources and administration distribution on the local and regional level. Berliner Osteuropa Info. № 21, 2004. C. 83-88.
  37. Trend changes and administration opportunities in Kabardino-Balkaria. Caucasian geographical review. Institute of Geography of RAS, Geographic society of Georgia. 2004. №4. P. 40-45. In Russ.
  38. Contemporary tendencies in habitat using by indigenous ethnics of Caucasus (by the example of Kabardino-Balkaria) Caucasian geographical review. Institute of Geography of RAS, Geographic society of Georgia. 2004. №4. P. 97-100. (Co-authors Gunya E.A., Klassen V.P.). In Russ.
  39. Trend Change and Development of a Mountain Region: Methodology, Geographical Analysis and Management Abilities. Nalchik; KBSC RAS. 2004. 224 pp. In Russ.
  40. Mankind habitat. Economics of nature management. SPb., Piter, 2005 PP. 22-46. In Russ.
  41. Ecology-economical and social aspects of natural and man-caused catastrophes in nature management. Economics of nature management. SPb., Piter, 2005 PP. 472-493. In Russ.
  42. Tertiary sector. Economics of nature management. SPb., Piter, 2005 PP. 559-583. In Russ.
  43. Economically developed countries (by the example of Federal Republic of Germany) Economics of nature management. SPb., Piter, 2005 PP. 629-645. Co-author V.N. Strelecky. In Russ.
  44. Valuation methods of regional trend forming mechanism in Kabardino-Balkaria. Caucasian geographical review. Institute of Geography of RAS, Geographic society of Georgia. 2004. №5 (Co-author B.B.Balkarov). In Russ.
  45. Analysis of the trend changes of population and agricultural settling of Russian regions. Regional ecology problems, №2, 2005. P. 72-86. In Russ.
  46. Regional trends and natural-economic systems development. Proceedings of RAS, Geographic series. 2005. №3. P. 11-21. In Russ.

47. Regionale Vielfalt und Umgang mit Konflikten: Eine vergleichende Analyse der Republiken Kabardino-Balkarien und Karatschai-Tscherkessien. Ost-West-Gegeninformationen, Jg. 16, Nr. 4/2004. S. XI-XVI. In German.
48. Thesis for a Doctor's degree. Regional trends of regional development. Moscow, Institute of Geography Russian Academy of Sciences. Thesis for a Doctor's degree. Moscow, Institute of Geography Russian Academy of Sciences. In Russ.
49. Agrarian nature management in Germany: postindustrial development trends of rural area and agricultural policy. In book: Sustainable development of agriculture and rural areas. Foreign experience and Russia's problems. Moscow, KMK, 2005 P. 164-178. (Co-authors J. Kantelhardt, V.N. Strelecky). In Russ.
50. Rural area development tendencies on regional and local levels: By the example of Dubrovka village in Bryansk region. In book: Sustainable development of agriculture and rural areas. Foreign experience and Russia's problems. Moscow, KMK, 2005 P. 534-559. In Russ.
51. Complex analysis of people settling and nature management in Kabardino-Balkaria and Karachaevo-Cherkessia. In the materials of international scientific conference "Modeling of sustainable regional development" Nalchik, KBSC RAS, 2005. P. 55-56. In Russ.
52. Role of administration in region's sustainable development supporting. In the materials of international scientific conference "Modeling of sustainable regional development" Nalchik, KBSC RAS, 2005. P. 67-68. (Co-authors Ju.G. Lipets, E.A. Gunya, V.P.Klassen.). In Russ.