**Curriculum Vitae (CV) for Proposed Professional Staff**

1. **Proposed Position:**
2. **Name of Firm:**
3. **Name of Staff:** Anil Markandya

**4**.  **Complete personal contact details:** 57 Prior Park Road, Bath, BA2 4NF, United Kingdom

1. **Date of Birth:** 23 September 1947 **Citizenship:** British, Resident in Spain
2. **Education:**

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| --- | --- |
| **Institution [Date from – Date to]** | **Degree(s) or Diplomas obtained** |
| London School of Economics (1976) | PhD in the Economics of the Environment |
| London School of Economics (1967-1968) | M.Sc. in Econometrics |
| University of York, York, UK (1964-1967) | B.A. Economics (Honors) |

1. **Membership in Professional Associations:** Fellow of the Royal Society of Arts (1991). Winner of the Mazzotti Prize for Contributions to Ecology (1991). Special mention by UNEP for contributions to protection of the ozone layer (1995). Member (Editorial Board) **Environmental & Resource Economics** – Kluwer Academic Publishers (1990). Member (Editorial Board) **Environment & Development** – Cambridge University Press (1993). In 2008 nominated by **Cambridge University** as one of the top 50 contributors to thinking on sustainability in the world and won 2nd Prize for a paper delivered to the World Energy Council (2008 Meetings). In 2010 nominated as a Lead Author for the 5th **IPCC** Assessment (WGII), starting in 2011 and contributed to the TEEB Report on the Economics of Biodiversity in the same year. In 2012 elected the **President of the European Association of Environmental and Resource Economics.** Member of the **Scientific Council of the European Environment Agency, 2013**.
2. **Countries of Work Experience:** Spain (June 2008-present), United Kingdom (January 1984-present), Italy (September 2005 to June 2008), USA (January 1992 to August 1996). **Field experience in the following developing countries**: Argentina, Bangladesh, Botswana, Brazil, Burkina Faso, Cambodia, China, Chile, Colombia, Egypt, El Salvador, Ghana, India, Ivory Coast, Jamaica, Kenya, Lao PDR, Malaysia, Mexico, Nepal, Pakistan, Philippines, Somalia, Sri Lanka, Sudan, Thailand, Trinidad, Turkey, Uganda. **Field experience in the following transition economies**: Albania, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Estonia, Georgia, Hungary, Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Mongolia, Poland, Romania, Russian Federation, Serbia, Slovak Republic, Tajikistan, Turkmenistan, Uzbekistan, and Ukraine. **Working Experience in the following other countries**: Australia, Dubai, France, Korea, Kuwait, Italy, Japan, Oman, Saudi Arabia, Qatar, Spain, UAE.
3. **Languages (1-excellent to 5-basic):**

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| --- | --- | --- | --- |
| **Language** | **Reading** | **Speaking** | **Writing** |
| English | Mother Tongue | Mother Tongue | Mother Tongue |
| French | 1 | 1 | 2 |
| Spanish | 2 | 2 | 3 |
| Russian | 5 | 5 | 5 |
| Italian | 1 | 2 | 2 |

1. **Employment Record:**

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| **From** | : | June 2008 | To | : | Present |
| **Employer** | : | Basque Centre for Climate Change, Bilbao, Spain |  |  |  |
| **Positions held** | : | Distinguished Professor (and Scientific Director 2008-2015) |  |  |  |
| **From** | : | September 2005 | To | : | June 2008 |
| **Employer** | : | Fondazione Eni Enrico Mattei, Milan, Italy |  |  |  |
| **Positions held** | : | Director |  |  |  |
| **From** | : | January 2000 | To | : | August 2005 |
| **Employer** | : | World Bank, Washington DC |  |  |  |
| **Positions held** | : | Lead Economist |  |  |  |
| **From** | : | June 1996 | To | : | January 2000 |
| **Employer** | : | University of Bath |  |  |  |
| **Positions held** | : | Professor of Economics |  |  |  |
| **From** | : | September 1992 | To | : | June 1996 |
| **Employer** | : | Harvard Institute for International Development (now closed) |  |  |  |
| **Positions held** | : | Research Associate |  |  |  |
| **From** | : | September 1970 | To | : | June 1992 |
| **Employer** | : | University College London |  |  |  |
| **Positions held** | : | Lecturer, then Reader (with breaks). |  |  |  |

1. **Selected Projects Undertaken in last ten years that illustrate capability to handle the tasks assigned**

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| 1. **Name of assignment or project: Estimation of financial needs to meet the SDGs in relation of land degradation, climate change, air pollution and terrestrial ecosystems**   **Year:** 2020  **Location:** Home Office  **Client:** Green Growth Knowledge Platform  **Position held:** Lead economist, prepared report on financial needs, gaps and how they might be filled. |
| 1. Name of assignment or project: COVID19 in Agriculture, Food and the Natural Environment: Contain Cope, Restart and Build Back Better   **Year:** 2020  **Location:** Home Office  **Client:** UNEP  **Position held:** Lead author of report on the impacts of COVID on the agri-food system. Published as a UN report available publically. |
| 1. **Name of assignment or project: Evaluate climate impacts and identify key actions in collaboration with stakeholders in Sindh province in Pakistan**   **Year:** 2018-2019  **Location:** Pakistan  **Client:** World Bank  **Position held:** Economist for preparation of Climate Investment Plan for Sindh |
| **4. Name of assignment or project: Climate Action Plan for South Asia**  **Year:** 2019  **Location:** Home based  **Client:** World Bank  **Position held:** Lead economist on assessment of policies and measures for mitigation and adaptation to climate change in South Asia. Issues of financial mobilisation were also covered. |
| **5. Name of assignment or project: Designing Fiscal Instruments for Sustainable Forests**  **Year:** 2019  **Location:** Home based  **Client:** World Bank  **Position held:** Lead author responsible for analysis of fiscal instruments to deal with the informal sector and illegal logging. |
| **6.Name of assignment or project:** Strengthening of Environment and Natural Resources Management.  **Year:** 2016  **Location:** Bolivia  **Client:** Inter-American Development Bank  **Position held:** Natural Resource Economist working on(a) controlling deforestation, (b) promoting reforestation, (c) protecting natural areas, and (d) reducing public exposure to air pollution and estimating health benefits. |
| **7.** **Name of assignment or project:** EDGE LAC: Energy and Climate Change Initiatives Mapping Exercise  **Year:** 2016  **Location:** Latin America  **Client:** International Finance Corporation on behalf of LKS  **Position held:** Manager responsible for mapping of the incentives for business and projects related to climate change adaptation in Latin America and the Caribbean; identifying business opportunities in the renewable energy sector in LAC region |
| **8.** **Name of assignment or project:** DEltas, vulnerability and Climate Change; Migration as an Adaptation Strategy (DECCMA)  **Year:** 2014-2018  **Location:** Bangladesh, India and Ghana  **Client: UK Government working through CDKN**  **Position held:** Principal Investigator at Basque Centre for Climate Change |
| **9.** **Name of assignment or project:** Water Infrastructure Solutions from Ecosystem Services Underpinning Climate Resilient Policies and Programmes (WISE-UP to Climate)  **Year:** 2013-2017  **Location:** Ghana and Kenya  **Client:**  German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety  **Position held:** Principal Investigator at Basque Centre for Climate Change integrating the role of natural infrastructure in the management of water flows and energy in river basins. |
| **10. Name of assignment or project: Impact of climate change on the post 2015 SDGs**  **Year:** 2014-2016  **Location:** Case studies of Dominica, Pakistan, Uganda,  **Client:** CDKN and UK Government  **Position held:** Lead Economist conducting analysis of how climate change will impact the SDGs and measures needed to address that. |
| **11. Name of assignment or project:** Preparation of a Climate Change and Green Growth Strategy for Romania  **Year: 2013-2017**  **Location:** Romania - Europe  **Client:**  World Bank and Government of Romania  **Position held:** Senior Consultant |

I have worked on many more projects that involved financial and economic analysis and policy advice in the areas of climate change, energy and environment over the period 1980-2008. In SE Asia I evaluated the impacts of the 1997 financial crises in Thailand for the ADB. In 2000 I participated in the World Commission on Dams study with a review of dams in SE Asia and a conference in Vietnam. Details available on request.

1. **Publications**

I have over 350 scientific publications and many reports in the areas of environmental and resource economics, economic accounting, health economics and welfare economics. List is available on request. Some relevant recent publications related to climate change are the following:

1. Markandya, A; A. Antimiani; V. Costantini; C. Martini; A. Palma; M.C. Tommasino (2015) “Climate Change and Economic Development: Analysing Trade-offs in International Policy Options”. World Development, Vol. 74, 93-107
2. Arto, I., García-Muros, X., Cazcarro, I., González, M., Markandya, A., Hazra, S. 2019. The socioeconomic future of deltas in a changing environment. Science of The Total Environment. 648. 1284-1296. DOI (10.1016/j.scitotenv.2018.08.139).
3. Arto, I., García-Muros, X., Cazcarro, I., González, M., Markandya, A., Hazra, S. 2019. The socioeconomic future of deltas in a changing environment. Science of The Total Environment. 648. 1284-1296. DOI (10.1016/j.scitotenv.2018.08.139).
4. F. Taheripour, T.W. Hertel, B. N. Gopalakrishnan, S. Sahin, A. Markandya and B. K. Mitra. 2018. “Climate change and water scarcity: growing risks for agricultural based economies in South Asia”, In S. Hsu (ed.) “Routledge Handbook of Sustainable Development in Asia”, Routledge, Taylor and Francis Group: London and New York. ISBN: 978-1-138-18218-9. 2018.
5. Ambika Markanday, Ibon Galarraga and Anil Markandya. 2020 “A Critical Review of Cost-Benefit Analysis for Climate Change Adaptation in Cities”. Climate Change Economics, 10,4, 1-31.
6. Markandya A, Salcone J, Hussain S, Mueller A and Thambi S (2021) Covid, the Environment and Food Systems: Contain, Cope and Rebuild Better. Front. Environ. Sci. 9:674432. doi: 10.3389/fenvs.2021.674432.
7. da Mosto, J. C. Bertolini, A. Markandya, P. A.L.D. Nunes, T. Spencer, A Palaima, L. Onofri, (2020), 'Rethinking Venice from an Ecosystem Services Perspective", Nota di Lavoro 23.2020, Milano, Italy: Fondazione Eni Enrico Mattei.
8. Markandya, A. and S. Pedroso-Galinato (2021). The Natural Capital Gap and the SDGs: Costs and Benefits of Meeting the Targets in 20 Countries. Geneva: Green Growth Knowledge Partnership.
9. Itziar Ruiz de Gauna. Anil Markandya. Laura Onofri. Francisco (Patxi) Greño. Javier Warman, Norma Arce, Alejandra Navarrete, Mariso Rivera, Rebeca Kobelkowsky, Mayela Vargas, Marisol Hernández. (2021). Economic Valuation of the Ecosystem Services of the Mesoamerican Reef, and the Allocation and Distribution of these Values. IDB WORKING PAPER SERIES No IDB - WP – 01214.
10. Boyd, R. and Markandya, A. (2021): Costs and Benefits of Climate Change Impacts and Adaptation; Chapter 6 in Canada in a Changing Climate: National Issues Report, (Eds.) F.J. Warren and N. Lulham; Government of Canada, Ottawa, Ontario.
11. Markandya, A. and D. Ruebbelke (eds.) (2021). Climate and Development - World Scientific Series On Environmental, Energy And Climate Economics 1. *World Scientific Publishing Co Pte Ltd. ISBN: 9789811240546.* 536pp.
12. World Bank. 2022. Accelerating Clean, Green, and Climate-Resilient Growth in Vietnam : A Country Environmental Analysis. Washington, DC: World Bank. © World Bank. https://openknowledge.worldbank.org/handle/10986/37704 License: CC BY 3.0 IGO