

Dr. Sinaia Netanyahu
Chief Scientist
Ministry of Environmental Protection

Dr. Sinaia Netanyahu has served as Chief Scientist of the Ministry of Environmental Protection since June 2011. Previously she served as director of sustainable financing at the TAHAL business development division – a post she held for over six years. Prior to that, she served for six and a half years as a faculty member at Ben Gurion University. Over the past decade she was also an external lecturer within the framework of the Master's Program on the Environment at the Faculty of Agriculture, Food and Environment of the Hebrew University. Sinaia holds a B.Sc. from the Department of Economics at the University of Maryland (summa cum laude) and a PhD in Agricultural and Natural Resource Economics from the University of Maryland (dissertation topic: Bilateral cross-border cooperation on water: The case of the Israeli-Palestinian mountain aquifer).

Throughout her 20 years of academic activity as a natural resources, agriculture and environmental economist, both in the private and public sectors, Sinaia has written reports and position and policy papers, has managed national and international projects and has advised government bodies (in Israel, Angola, Botswana, South Africa) and international organizations (UNESCO, EU, OECD, Commission of Mediterranean Countries). Her professional activities include the following prominent areas: **Sustainable Policy and its Implementation:** Natural, environmental and agricultural resources, **Sustainable Finance:** Assimilation of the equator principles and environmental and social guidelines of the IFC and the World Bank in projects related to banking financial guidance including foreign trade insurance, **Corporate Responsibility:** Providing solutions for sustainable socio-environmental issues (assessment, monitoring and reporting), **Cross-Border Cooperation and Conflicts:** In the fields of natural resources, water and the environment, **Water Economy:** National water security, prices, allocations, desalination, water demand and consumption management, surface runoff, drainage, water and sewage corporations, Multi-annual Program for the Assurance of Drinking Water Quality, national plan for water savings in the urban sector, technological innovation and adoption of technologies in parallel to the management of biodegradable and renewable natural resources, water-related cross-border international strategic conduct, **Economics of Natural Resources, Environment and Agriculture:** Cost-benefit analysis of a variety of projects such as protecting and fortifying facilities containing hazardous materials against earthquakes, national security, private and government initiatives on international agricultural projects, analysis of markets and sectorial business structures, economic incentives, etc., **Risk Analysis:** Political, economic, environmental, social, natural resources, in emerging markets and in developing countries, **Education for a Sustainable Environment:** Collaboration with NGOs, K-12 education, teacher training, higher education in academic institutions, supervision of studies and final papers (for all degrees), leading a water conservation campaign and recently,

as a part of her work as Chief Scientist at the Ministry of Environmental Protection: promotion of **the Adaptation of the State of Israel to Climate Change, Health and the Environment, the Environment and Gas Drilling, Advancement of General Environmental Research, Environmental Aspects of Fuel Alternatives for Transport, Production of Biomass Energy and Green Building**. Sinaia's academic papers have been published in professional economic journals, in water-related journals and in books, and they have been presented at conferences in Israel and worldwide.

Within the framework of her role as Chief Scientist, Sinaia is engaged in leading a national program on adaptation to climate change, a national health and environment program, advancement of environmental technologies, and advancement of a research center on waste, recycling and materials management. As Chief Scientist she promotes research studies in accordance with the needs of the Ministry of Environmental Protection, including studies on oil alternatives in transportation, biomass energy production, green building, climate change, forest rehabilitation following forest fires, terrestrial and marine ecology, environmental economics and more.

In addition, Sinaia serves on the Board of Directors of the Government Company for Coastal Cliff Protection, and is also a member of the Petroleum Council, the Council for Biological Disease Agent Research, the Israel National Bioethics Council, the Public Advisory Council for Statistics, the National Council for the Advancement of Women in Sciences, and the Open Landscape Institute (OLI).