



Elena Chvanova | Senior Consultant

Verification systems for renewable energies

As a senior consultant and project manager, Elena Chvanova, a long-time energy market expert, focuses on national and international verification systems for renewable energies in various sectors. She has extensive experience in energy economics and policy and has demonstrated her analytical skills in her previous professional positions - for example, at the Russian Ministry of Energy, RosBusinessConsulting and EnBW AG. In various studies, Elena Chvanova shed light on different aspects of international energy markets, including the electricity distribution market in different countries.

In her last position at Dr. Langniß Energie & Analyse, she evaluated use cases and regulatory requirements for the implementation of a guarantee of origin system for renewable energies and green hydrogen in South Africa on behalf of GIZ, among others, derived recommendations for action and validated them in local stakeholder workshops.

Elena Chvanova studied International Technical Business Administration at Esslingen University of Applied Sciences. She wrote her thesis on electricity transmission and distribution networks in Russia. She also completed a Master's degree in World Economics and Politics at the Higher School of Economics in Moscow with a focus on "Regulation of Energy and Natural Resources in Russia and the World".

She is a member of the DIN-led working group "Guarantees of Origin and Environmental Aspects" of the BMWK-funded joint project "[Standardisation Roadmap Hydrogen Technologies](#)" and represents Germany internationally at [the IEA Hydrogen Technology Collaboration](#), focusing on the hydrogen certification system.

Consultancy and research focus

- Verification systems for renewable energies, especially for heat, electricity and hydrogen
- Markets and regulatory frameworks
- Solutions for the practical application of guarantees of origin, especially in industry and the energy sector

Qualification and career

Since 2023	Senior consultant and project manager at Hamburg Institut
2019 – 2023	Senior Consultant , Dr. Langniß Energie & Analyse, Stuttgart
2016 – 2019	Junior Consultant , Dr. Langniß Energie & Analyse, Stuttgart
2012 – 2016	Analyst in the field of energy, RosBusinessConsulting, Moskau
2015	Intern , REE! Managementgesellschaft mbH, Hamburg
2011 – 2014	B.Sc. International Technical Business Administration , Hochschule Esslingen
2012 – 2014	Principal specialist in the field of innovations in the energy industry, Agency for Energy Balances Forecasting, Moscow
2012	Working student in the field of gas distribution, EnBW AG, Stuttgart
2008 – 2011	M.A. (Econ.) world economy and world politics , focus "Regulation of energy and raw material resources in Russia and the world", Higher School of Economics, Moscow
2011	Working student , Wholesale Energy Association Baden-Württemberg, Stuttgart
2010 – 2011	Researcher in the field of energy, Institute of Problems of Regulation and Pricing of Natural Monopolies, Moscow
2008 – 2010	Main specialist in the field of energy industry development, Ministry of Energy of Russia, Moscow
2004 – 2008	B.A. Sociology , specialisation "Economic Sociology", Higher School of Economics, Moscow

Projects (selection)

<p>Since 2023 Project management: Grundlagen für Herkunftsnachweis (HKN)-Systeme für erneuerbare Gase sowie erneuerbare Wärme und Kälte und unvermeidbare Abwärme <u>Partner</u>: Becker Büttner Held (BBH), Forschungsstelle für Energiewirtschaft e.V. (FfE), complement, Öko-Institut, PlanEnergi <u>Client</u>: Umweltbundesamt</p>	<p>Since 2023 Marktanalyse Ökostrom <u>Client</u>: Umweltbundesamt</p>
---	---

Studies and publications (selection)

<p>2023 Chvanova, E., Haller, B., Langniß, O., Thooe, L., Cheung, E. Study EAC SA. Use cases and regulatory requirements for the implementation of an energy attribute certification system for renewable energy and green hydrogen in South Africa. Eskom, 2023. Download</p>	<p>2023 Chvanova, E. The Ramp Up of Green Hydrogen From The European Perspective: Opportunities And Challenges For The Exporting Countries. Materials of the XXIV International Scientific and Practical Conference “Renewable Energy and Energy Efficiency in the XXI Century”, 18.-19.05.2023, Kiev, Ukraine. Download</p>
<p>2022 Chvanova, E. et al. Verkehrsträgerübergreifender Austausch von Erneuerbarer Energie. Bericht zum Forschungsprojekt 69.0009. Berichte der Bundesanstalt für Straßenwesen, Verkehrstechnik, Heft V 364. Bergisch Gladbach, Oktober 2022. Download</p>	<p>2022 Haller, B., Langniß, O., Chvanova, E., Leprich, U. Mehr PV auf Straße und Schiene durch Geschäftsmodelle für Bund und Länder. Artikel für das 37. PV-Symposium, 21.-23. Juni 2022, Messe Freiburg</p>
<p>2020 Brenner, T., Chvanova, E., Haller, B., Langniß, O., Lehmann, N., Maicher, O. Ergebnisdokument Regionalisierter Handel. High-Level-Use-Case 5M & 5K, Ergebnisdokument im Rahmen von SINTEG-Projekt C/sells. Stuttgart, November 2020. Download</p>	<p>2017 Bauknecht, D., Langniß, O., Bürger, V., Brenner, T., Chvanova, E., Ritter, D., Vogel, M., Geier, L. Bestandsaufnahme und orientierende Bewertung dezentraler Energiemanagementsysteme. Climate Change 16/2017. Umweltbundesamt, Dessau-Roßlau, 2017. Download</p>