CURRICULUM VITAE FOR INTERNATIONAL EXPERT

1. **Proposed Position:** Proposal Evaluation Expert ERASMUS+ CBHE Action

2. **Name of Entity:** Self-employed / Lyninco ApS

3. **Name of Expert:** Hans Gustav Enggrob

4. **Date of Birth:** 23 April 1963 **Citizenship:** Denmark

5. **Complete personal contact details:** Christian X's Alle 116, DK-2800 Kgs. Lyngby, Denmark, mobile phone / WhatsApp: +45 20431916, email: hans@enggrob.dk

6. **Education:**
Master of Science (M.Sc.) Civil Engineering, Aalborg University, Denmark, Nov. 1989,
Executive MBA, Innovation & Change Mngt, DTU, Denmark, June 2003,
Insead, SDD Strategy in the Age of Digitalisation, France, May 2018.

7. **Membership in Professional Associations:** The Society of Danish Engineers

8. **Other Training:** Project Management, Proposal Preparation, Contracting, Leadership Training, Board of Director Course, Solution Selling, Certified PRINCE2 Practitioner

9. **Countries of Work Experience** (last 10 years)**:** Australia, Bangladesh, Bhutan, European Union, India**,** Nepal, Sri Lanka, Singapore. (Last 20 years also: Africa, North and South America)

10. **Languages:**

Level of Proficiency			
Language	**Speaking**	**Reading**	**Writing**
English	Excellent	Excellent	Excellent
Danish	Mother tongue	Mother tongue	Mother tongue
German	Fair	Fair	Poor

11. **Employment Record:**
From: May/2018, To: Date
Employer: Self-employed (Independent Consultant) in Lyninco Aps / Enggrob & Singh
Positions held: Owner, Managing Director, Partner

From Apr/2015, To: Apr/2018
Employer: IPU Institute of Product Development, Tech. Univerity of Denmark
Positions held: CEO

From:Jul/2013, To: Mar/2015
Employer: DHI Group, Denmark
Positions held: Vice President (New Business & Innovation)

From: Jan/2011, To: Jun/2013
Employer: DHI (India) Water & Environment Pvt Ltd, New Delhi, India
Positions held: Managing Director (Technical Director until Dec. 2011)

From: Jan/1990, To: Dec/2010
Employer: Danish Hydraulic Institute (from year 2000, DHI), Denmark
Positions held: Head of Projects and Innovation, Chief Engineer, Hydraulic Engineer

12. Detailed Tasks Assigned	13. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned
	Name of Project: Horizon-Cl6-2026-01 Zero Pollution-03 Developing Managed Aquifer Recharge Techniques in Rural Context, evaluation Year: October 2026 – December 2026 Location: Europe Client: European Commission Main Project Features: Individual Expert on proposal evaluation Position held: Individual Expert Activities performed: Proposal evaluation, Individual Expert Report preparation, consensus meetings.
	Name of Project: Greater Kolkata Environmental Improvement Investment Program Year: June 2025 – ongoing Location: West Bengal, India Client: Asian Development Bank Main Project Features: Climate-resilient and integrated drainage management of three municipalities under Kolkata Municipal Development Authority (KMDA) Position held: Urban Drainage Expert Activities performed: Technical review of Feasibility and PPR studies, Urban Drainage Masterplan by consultancy teams, project management support, capacity building, quality assessment of options incl. use of nature-based solutions, restoration of wetlands and water retention ponds, preparatory work incl. adherence to timeline, TOR for PMDSC
	Name of Project: Mahaweli Water Security Investment Program Stage 2 Project Preparation Year: February 2025 – November 2025 (intermittent) Location: Sri Lanka Client: Asian Development Bank Main Project Features: TA on feasibility study for enhanced water security, agricultural productivity, Commercial Agricultural Development (CAD); Water balance study (WBS) of Mahaweli River Basin for irrigation systems; Due diligence for proposed project; Project start-up support. Position held: Team Leader for Water Balance Study (Water Resources Expert) Activities performed: Water balance considering reservoir operations, river canal restorations, climate change, implementation schedule, impact of CAD, stakeholder communication and liaison, changes to irrigation systems, use of EO, IoT monitoring and new technology for IRBM including improved Integrated Water Resource Management.
	Name of Project: Preparation of Additional Financing for West Bengal Drinking Water Sector Improvement Project Year: Maj 2024 – June 2025 (intermittent) Location: India Client: Asian Development Bank Main Project Features: Additional Financing of West Bengal Drinking Water Sector Improvement Project for cost-overruns and for unforeseen additional work in mitigation measures for salinity ingress.

	Position held: Water resource management and water supply expert Activities performed: Technical assistance support in defining interim salinity mitigation measures (review of Detailed Project Report), long-term salinity mitigation measures (terms of reference for tendering consulting firm) using nature-based solutions such as wetland restorations, water ponds, liaison with government stakeholders, support in preparation of project documentation of additional financing.
	Name of Project: Khulna Water Supply Project Phase 2 Year: October 2023 – September 2025 (intermittent) Location: Bangladesh Client: Asian Development Bank Main Project Features: TA preparation of loan project for Urban Water Supply infrastructure to Khulna, and planning/design of nature-based solutions utilising seasonal water availability to mitigate salinity ingress and considering IRBM, capacity building of water authorities. Position held: Team Leader (Water resource management and water supply expert) Activities performed: Policy advice, roadmap, implementation strategy and integrated water resource planning for government on sustainable water suppy and use of nature-based solutions. Specification, review and guidance on water modelling, land use/-cover, water balance and water demand assessments of river systems in Southwest Bangladesh, river restorations, dredging, wetlands (baors, beels, haors, jheels), offtakes from Ganges River (including impacts of transboundary water sharing policy at IN-BD border), groundwater recharge, wastewater reuse, design and cost estimates of salinity ingress mitigation, financial strategy for alternative options.
	Name of Project: Customized Water Risk Assessment and Management Plan Year: Mar 2024 – July 2024 Location: Colombo, Sri Lanka Client: Lion Brewery, manufactorying company in food & brewery Main Project Features: Water stewardship assessment, water auditing, process optimization with water savings and water re-use. Sustainable water abstraction, manufactory-site flood management. Position held: Water use, hydrology and flood management expert Activities performed: Data collection incl. from Sri Lankan authorities, site inspections, analyses and recommendations on water stewardship improvement as well as flood management.
	Name of Project: Bihar Integrated Water Resource Management Year: 2023 Location: Bihar, India Client: World Bank (f. Water Resources Dep, Government of Bihar) Main Project Features: Preparation of IWRM loan project incl. flood management and irrigation systems, respectively. Flood protection and -management, forecast and early warning systems. Projections of water use requirements for food production. Position held: Water resource, river morphology, forecast/early warning expert Activities performed: Government dialogues, specifications of a.o. required hydrological modelling and IWRM consulting services. Advice on institutional capacity building incl. arrangement of early warning systems and best

	practices in integrated water resource management for improved flood risk mitigation and irrigation-related water security (food security).
	Name of Project: Integrated Coastal Area and River Basin Management along the Coastline of West Bengal, TA9573-IND Year: July 2022 - June 2023 (intermittent) Location: West Bengal, India, Southern districts Client: Asian Development Bank, Gov. of West Bengal, PHED Main Project Features: Preparation of loan project proposal on coastal area management, integrated water resource management, urban drainage, salinity mitigation, climate change adaptation. Position held: Team Leader and integrated river/coast management specialist Activities performed: Support to PHED in a taskforce with other state departments in identifying policy and regulation gaps, needs for hydrology and coastal hydraulics monitoring and modelling, dialogues with all departments in defining a roadmap towards integrated coastal area and water management as a basis for sustainable social-responsible economic growth which also secures healthy environment, ecosystems, and biodiversity.
	Name of Project: Rebuild Kerala, Integrated River Basin Management. Year: 2022 – 2025 Location: Kerala, India Client: World Bank (for Water Res. Dep, Gov. of Kerala) Main Project Features: Support PMU, executing and implementing agencies in preparation (assessment, scoping, terms of reference of international consultants) and implementation of integrated river basin management (IRBM), and shoreline management (SMP) plan. Position held: IRBM and Water resource specialist Activities Performed: Advice in identifying policy gaps, improving coordination across departments, defining data and modeling needs, water auditi plan, urban dainage, waste managemenet, flood risk mapping, flood forecast, early warning, river monitoring, IRBM TOR in 3 river basins. Advice in planning, design, implementation of non-structural (e.g. regulations) and structural (e.g. river engineering) intervention solutions for enhanced resilience including check of compliance with World Bank's investment instrument.
	Name of Project: Melamchi River Water Diversion Sub-project, and Second Kathmandu Valley Water Improvement Project Preparation Year: 2021-2024 Location: Melamchi, Nepal Client: ADB (for Melamchi Water Supply Development Board, Gov. Of Nepal) Main Project Features: Damage and Multi-hazard Risk Assessment of Melamchi headworks, climate change projections and disaster risk and resilience, design update. Loan project preparation of second phase of Kathmandu Valley Water Project. Position held: Team Leader and River Morphology Model Expert Activities Performed: Field surveys, inspections of water intake damages, leading scientific-based catchment and river studies (geology, hydrology, morphology, sediment, hydraulics), terms of references for design and construction supervision consultant, need specifications of flood forecast, early warning, and decision support systems, specifications, guidance and

	interpretation of river modelling, support in formulation of policies and regulations of water abstraction. Advice on institutional strengthening. Knowledge products (ADB publication).
	Name of Project: Bhutan Water Flagship Program Sector project (TA-9781 REG) Year: June 2021- June 2022 Location: Bhutan Client: Asian Development Bank (for Ministry of Works and Human Settlement, Government Of Bhutan) Main Project Features: Water infrastructure for safe, sustainable, and inclusive drinking water, and irrigation services Position Held: Climate Smart Water, Hydrology and EWS specialist Activities Performed: Hydrology and climate change assessment, conceptualisation of climate smart water management system for natural disasters, urban drainage, instrumentation, MIS, hydrology modelling and flood forecast and early warning system design.
	Name of Project: Dam Rehabilitation and Improvement Project-II Year: Aug. 2019- 2022 Location: India Client: The World Bank, India, and Central Water Commission, India, Main Project Features: Transforming Indian dam management from seasonal (pre-monsoon- post monsoon inspections) to long-term asset management incl. introduction of risk-based management of dams Position Held: River morphology modelling and reservoir sediment management expert Activities Performed: Dialogues and appraisal missions to reservoirs. Assessment and recommendations on operational plans and rules for reservoir management. Taskforce together with CWC team for update of reservoir sedimentation guidelines and policies such as central government-state-district interfaces, recurrent monitoring and modelling of river systems and reservoirs for better operation and maintenance of dams, regulation to ensure sustainable sediment management.
	Name of Project: Phuentsholing Township Development Project Year: Dec. 2019- Feb. 2020 Location:Phuentsholing, Bhutan Client: Asian Development Bank Main Project Features: Mathematical Model of Amucchu River, as a key element of urban drainage strategy. Position Held: Hydraulic and River Morphology Modelling Specialist Activities Performed: Training and capacity building, review of and assistance in hydrology, hydraulic, urban drainage, sediment transport and morphological modelling of Amcchu River by the Project Implementation Consultant PIC of the PTDP project, quality assurance of technical design of proposed river engineering interventions.
	Name of Project: Smart Water Management and Climate and Disaster Resilience incl Flood Forecast in Rural Areas in Selected Districts in West Bengal, TA9573-IND Year: Mar. 2019-November 2022 (intermittent) Location: Three districts in West Bengal, India Client: Asian Development Bank, Gov. of West Bengal (PHED)

	Main Project Features: Technical Assistance for establishing smart water systems in water supply and urban drainage, flood forecasting and early warning systems, training and capacity building in water supply management, climate change and disaster risk and resilience Position Held: Team Leader for TA consultant's team (DHI India), and hydrology and salinity model expert Activities Performed: Support to PHED Gov. Department and Gram Panchayats to build and implement smart water management (SWM), demonstrative pilot flood forecast and early warning systems (FFEWS), specifications, guidance and assistance in instrumentation, tidal hydraulic and advection dispersion (salt) modelling of Rupnarayan River from upstream down to Bay of Bengal. Incorporation of SWM and FFEWS in existing operational plans. Institutional capacity building in interfacing O&M between state-district-gram panchayats. Knowledge products (professional videos) on a.o. nature-based solutions, SWM and FFEWS.
	Name of Project: Flood Forecast and Inundation Modelling System in Baghmati-Adhwara Basin Year: 2012 Location: Bihar, India Client: Flood Management Improvement Support Centre, Gov. of Bihar Main Project Features: Development of a 1D/ 2D flood models, flood forecasting and early warning in the Bagmati-Adhwara river basin in North Bihar Position Held: Company representative, river hydraulics and river morphology expert backup Activities Performed: Government department dialogues on planning, implemetation and capacity building on flood forecast early warning system. Technical quality assurance backstopping of own consulting team with supervision, guidance and assistance in MIKE FLOOD model development of the river basins, calibration and application
	Name of Project: Okawango Delta Management Plan incl. IWRM Year: 2003-2006 Location: Botswana Client: Okavango Research Centre, Department of Water Affairs Main Project Features: Establishment of a river basin management plan, including data management system and integrated hydrological model Position Held: Water Resource Expert, and Sediment Modelling Specialist Activities performed: Data monitoring planning, hydraulic modelling, training courses