



Innovative Impulses Reducing the Water Footprint of the Global Cotton-Textile Industry towards the UN-Sustainable Development Goals

THE PROJECT

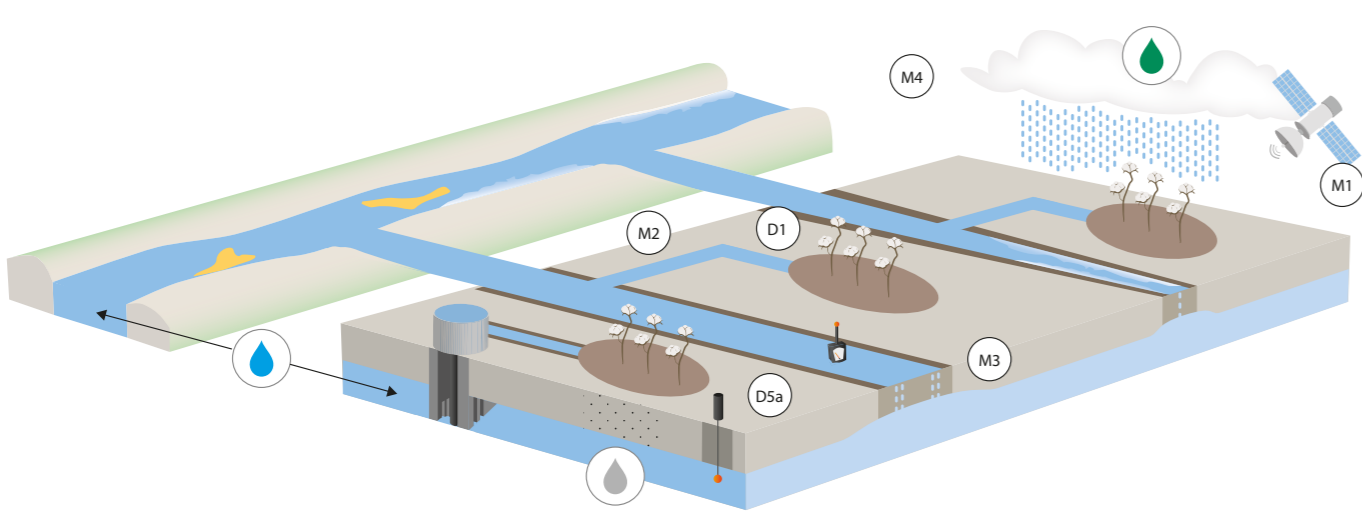
German demand of cotton-textile products is responsible for substantial water consumption and wastewater effluents in semiarid countries like Pakistan. In case studies and demonstration projects, InoCottonGROW aims to contribute to sustainable water resources management "from cotton field to hanger" by

- advancing the water footprint concept to become a regional steering instrument
- conducting inventory analyses and impact assessment
- demonstrating efficient technologies along the cotton-textile value chain
- assessing strategies towards reaching the UN-Sustainable Development Goals
- outreaching to national decision-makers, retailers, brands, and consumers alike supporting sustainable consumption

WATER FOOTPRINT & SUSTAINABLE DEVELOPMENT GOALS



COTTON CULTIVATION & PRODUCTIVITY



Inventory Analysis and Impact Assessment

- M1: Satellite remote sensing
- M2: Monitoring irrigation in the Warabandi system
- M3: Hydrologic and hydraulic modeling at different scales
- M4: Institutional framework of water use

Demonstration Projects

- D1: Demonstrating options for optimizing productivity
- D5a: Demonstrating online discharge and water quality monitoring

PARTNERS

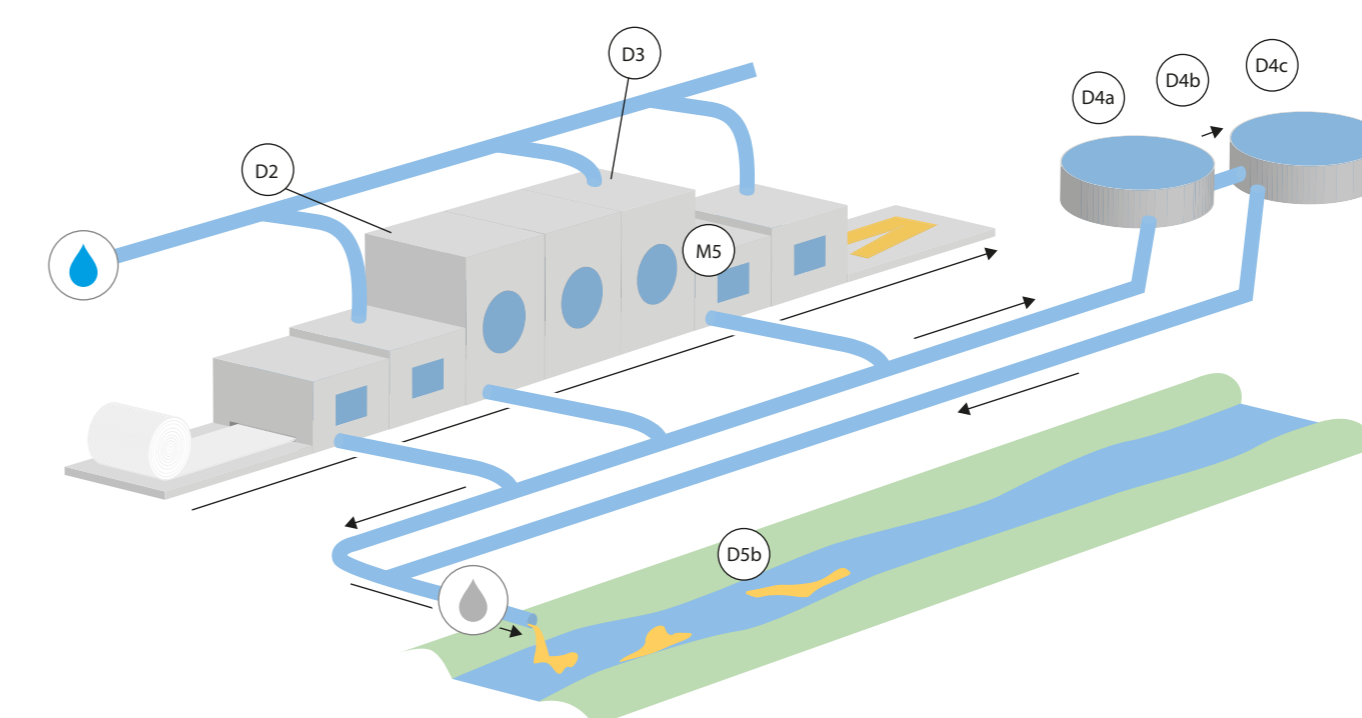
IN GERMANY



AND PAKISTAN



TEXTILE INDUSTRY: WATER EFFICIENCY & WASTEWATER TREATMENT



Inventory Analysis and Impact Assessment

M5: Company surveys

Demonstration Projects

- D2: Demonstrating advanced dyes and process chemicals
- D3: Demonstrating water-efficient textile machinery
- D4a: Demonstrating anaerobic treatment of desizing wastewater
- D4b: Demonstrating water recycling using ultrafiltration
- D4c: Demonstrating degradation of dyeing wastewater
- D5b: Demonstrating analytical instruments for water pollution monitoring

CONTACT

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