



## India-Germany Cooperation on Innovation

**Prelims:** India-Germany Cooperation on innovation, Artificial Intelligence and 6G, Green Hydrogen, SDG, IPOI.

**Mains:** India-Germany Cooperation on innovation.

### Why in News?

Recently, the Indian Prime Minister met with the German-Chancellor and agreed on a **Vision Statement** to enhance cooperation on innovation and technology.

- It is considered to be **the most comprehensive economic document** signed between the two major economies to date.



### What is the Vision Document all About?

- It focuses on **deepening ties between industry and spurring cooperation on development** of advanced technologies like [Artificial Intelligence](#) and [6G](#).
- This Cooperation aims at benefiting humanity and is firmly guided by their shared **democratic values and respect for universal human rights**.
  - [India and Germany](#) share a long history of cooperation in science and technology, research and innovation, institutionalized under the framework of the Inter-Governmental Agreement on **'Cooperation in Scientific Research and Technological Development'** signed in May 1974.

## What are the Key Highlights of the Meeting?

- **Green and Sustainable Development Partnership:**
  - Both leaders discussed progress on the **Green and Sustainable Development Partnership (GSDP)**, which India and Germany had launched during the Indian PM's visit to Berlin for the **6<sup>th</sup> IGC (Inter-Governmental Consultations)**.
  - The GSDP is an umbrella partnership that provides political guidance and steer to robust ties in climate action and [SDGs \(Sustainable Development Goals\)](#).
  - Under this, **Germany will also place €10 billion** in new and additional commitments under their development cooperation portfolio in India.
- **Green Hydrogen:**
  - Both countries agreed to cooperate on [Green Hydrogen](#).
  - The Indo-German Green Hydrogen Task Force was constituted in September 2022 and an Action Plan is close to finalization.
- **Triangular Development Cooperation:**
  - During the sixth IGC, India and Germany agreed to work on development projects in third countries.
  - The four projects, announced in May 2022, are now in **different stages of implementation**:
    - **Cameroon:** Potato Seed Production through Rooted Apical Cuttings (RAC) Technology.
    - **Malawi:** Agri Business Incubator Models for Women in Agriculture & Food Systems
    - **Ghana:** Developing Bamboo-Based Enterprises for Sustainable Livelihood and Income Generation in Ghana
    - **Peru:** Development of a geospatial portal prototype for planning, monitoring, and evaluation of the Ministry of Development and Social Inclusion of Peru (MIDIS) interventions and social programs.
- **Indo-Pacific Oceans Initiative:**
  - Germany has come on board the [Indo-Pacific Oceans Initiative \(IPOI\)](#).
- **Submarines:**
  - The two countries discussed on the proposed deal for Germany to build jointly with India six conventional submarines for the Indian Navy.

## What are the Key Facts About Germany?

- **Bordering Countries:** Germany shares borders with nine countries, **France, Luxembourg, Denmark, Belgium, Switzerland, Austria, Czech Republic, the Netherlands and Poland**.
- **Location:** It is located in Central **Europe**, bordering the [Baltic Sea](#) and the North Sea.
- **Rivers:** Danube, Rhine, Ems, Weser, Elbe and Oder
- **Forest:** The Black Forest is Germany's **largest and most famous wooded area located in the southwest near the Swiss border**. It is the source of the Danube, one of Europe's longest rivers.
- **Form of Government:** Germany is a **federal parliamentary republic with a President as the head of state** and a Chancellor as the head of government.
- **Main Industrial Regions:** Ruhr, Hanover, Munich, Frankfurt am Main, and Stuttgart.

## UPSC Civil Services Examination Previous Year Question (PYQ)

Q. Which one of the following pairs is not correctly matched? (2009)

City    River

- (a) Berlin : Rhine
- (b) London : Thames
- (c) New York : Hudson
- (d) Vienna : Danube

Ans: (a)

Exp:

- Berlin is situated at the Spree River, which runs through Germany and Northern Czech Republic. **Therefore, option (a) is the correct answer.**

[Source: IE](#)

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