



CLASSE: 1C/2C

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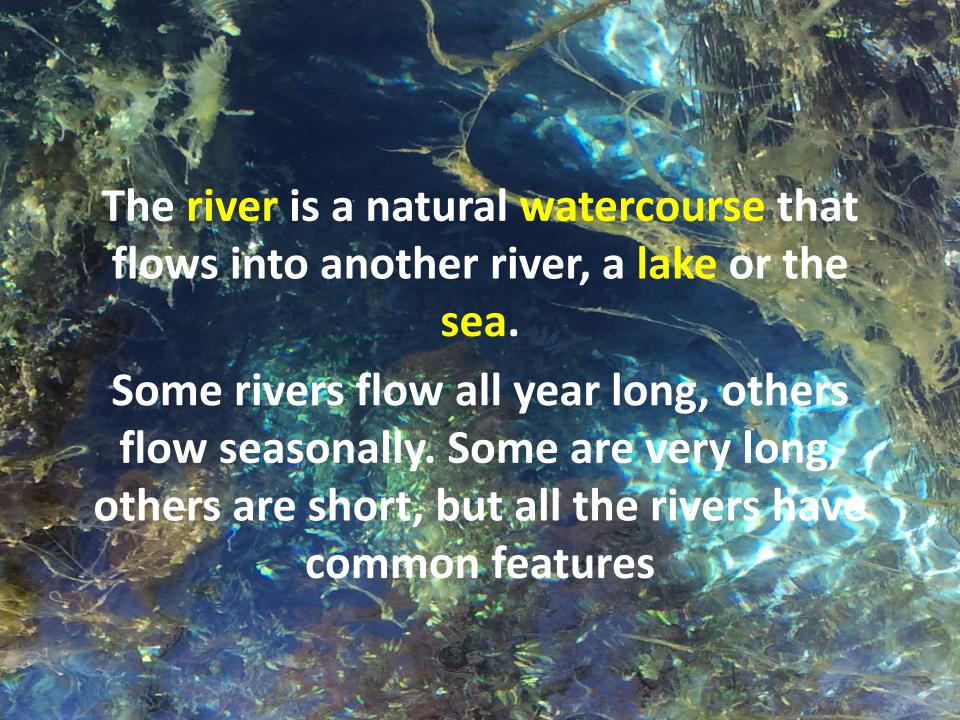
Maria Rota

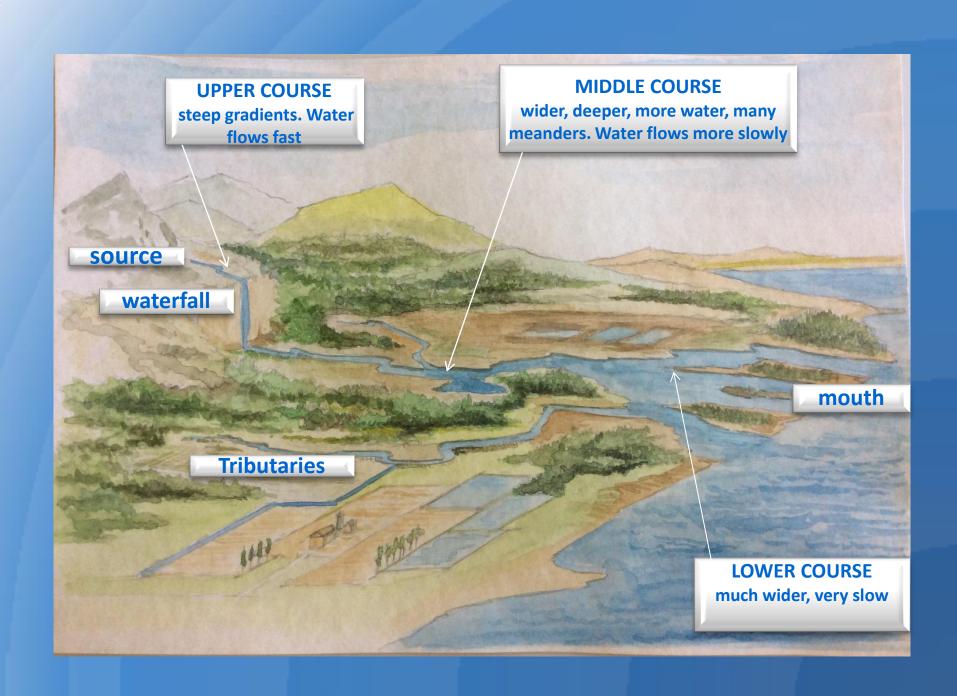
Carlo Robbiati

The river













SOURCE

where the river begins.
The source can be a glacier, melting snow, a lake or a spring.

SPRING

a place where water comes out of the ground

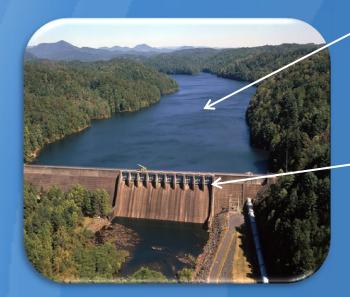


WATERFALL

water that falls from a high point



the movement of flowing water



DAM

a barrier across the river to stop the flow of water



RIVERBED

the ground at the bottom of a river

RIVERBANK

Each side of the river

CHANNEL

The path of a river. It is made up of the bed and the banks



STREAM a small, narrow river



TRIBUTARY

a stream that flows into a river

CONFLUENCE

the point where two rivers meet



RESERVOIR

An artificial lake created by a dam to store fresh water





MEANDER:

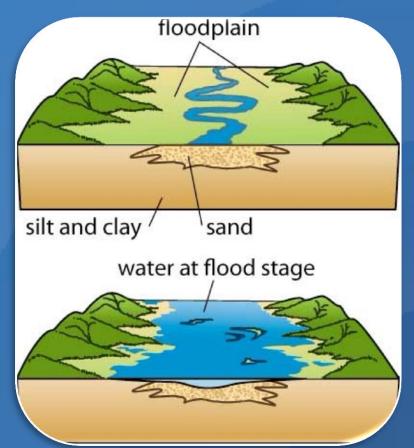
a bend in a river



FLOOD an overflow of water

FLOODPLAIN

a plain along the course of a river that is often flooded



MOUTH

It's the final part of the river, where it joins the sea



ESTUARY

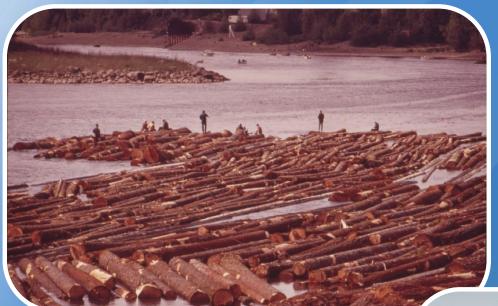
It's the area where the fresh water of a river meets seawater



DELTA

an area made of sediments (usually in the shape of a fan) where a river divides into a lot of smaller rivers, before meeting the sea





TRANSPORTATION

In forested regions rivers are used to float and transport timber, saving effort and costs

TRANSPORTATION

NAVIGATION

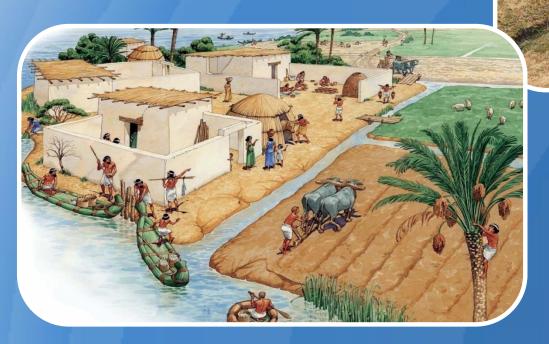
A lot of rivers are navigable and provide routes for trade, goods and people transport



NAVIGATION

IRRIGATION

It is the method of supplying water to plants artificially. There are a lot of different ways to get water from a river. The oldest system is represented by irrigation canals built in Mesopotamia about 4,000 years ago and still widely used in many parts of the world



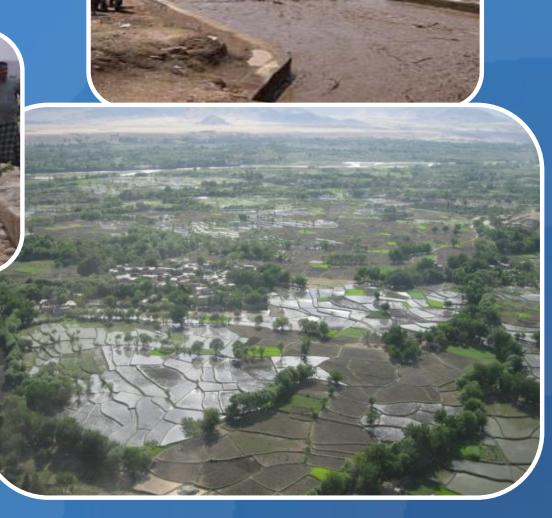
Example of an ancient canal system

Example of water diverted from a river and channelled into canals

Another very old system, used in arid regions in the past but still in force today, is represented by spate irrigation.



It is based on the exploitation of seasonal river floods and a network of canals to convey water from the river to the fields



SPATE IRRIGATION IN AFGHANISTAN

From canals water can be better employed to irrigate crops when farmers dig small ditches between rows of crops. This system is called furrow irrigation



To deliver water from the river to fields farmers often use pumps



by building «ditches» between the rows of plants water is better distributed in the fields





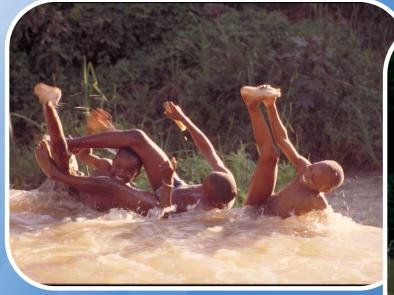
In the past, but still nowadays rivers provide an important source of nutrition. Along them people hunt wild birds such as ducks or, by means of nets, they catch fish and collect shellfish. So doing, they ensure food for themselves and their families.

A SOURCE OF FOOD

Rivers are also a source of income for people who establish fish farms and fisheries along them



FISH FARM



FOR BATHING



FOR DRINKING







A Source of Hydropower

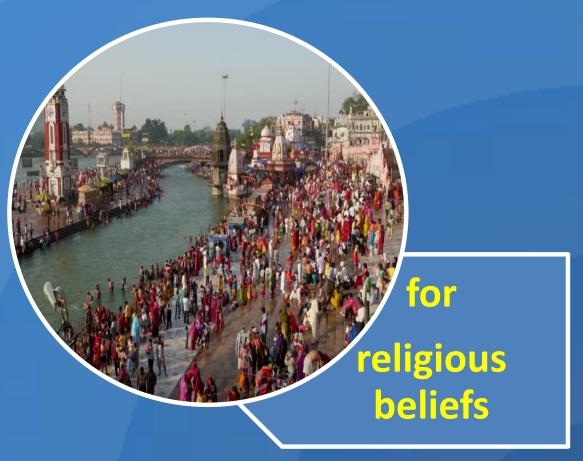
Rushing water is used to produce energy. In the past people built watermills. They used the force of the water's movement to power other machinery.

Watermill

At the end of the 19 th century scientists understood how to use hydropower to generate electricity and in 1882 the first hydroelectric plant was built

In some parts of the world some rivers are considered sacred.

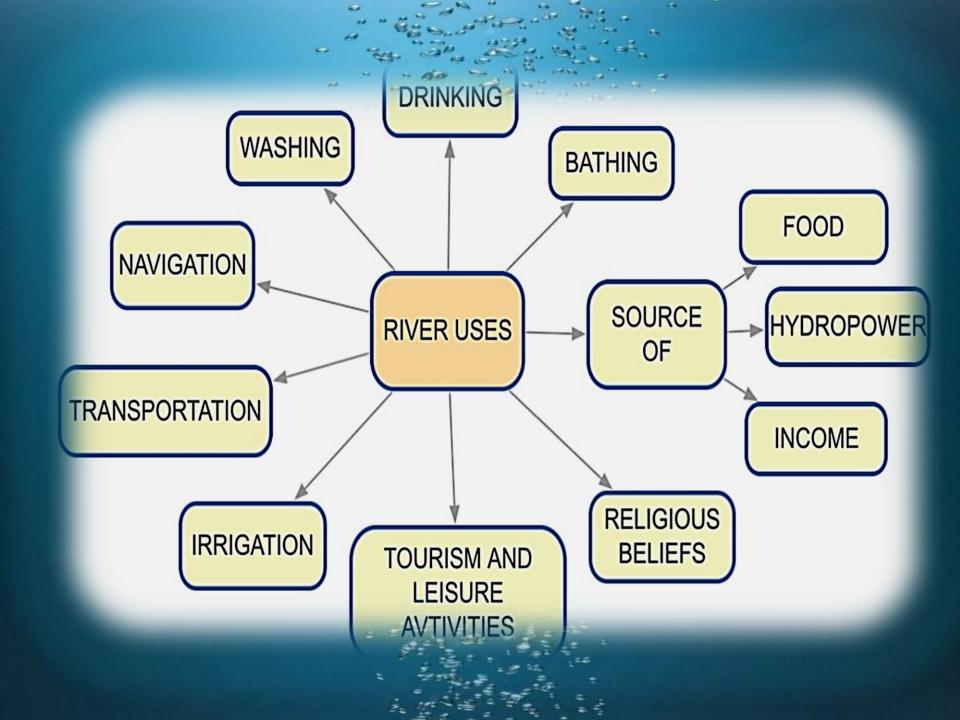
For example, the Ganges is the holy river to Hindus. They believe that bathing in its water purifies the soul and washes away sins. The ashes of the dead are dissolved in it because Hindus associate the river with the goddess Ganga.





River tourism offers people a lot of relaxing or sports activities, the chance of sightseeing and doing new experiences such as a holiday on a houseboat. People can also boat, have excursions or river cruises, have picnics, hire a barge, walk, go fishing, birdwarching or cycling along the river, do water sports such as a time, canoeing, sailing, or kayaking, have a swim or go to skating in winter in very cold regions.







The Ticino rises in Val Bedretto in Switzerland. It's about km 284 long. It's the affluent and the outflowing stream of Lake Maggiore

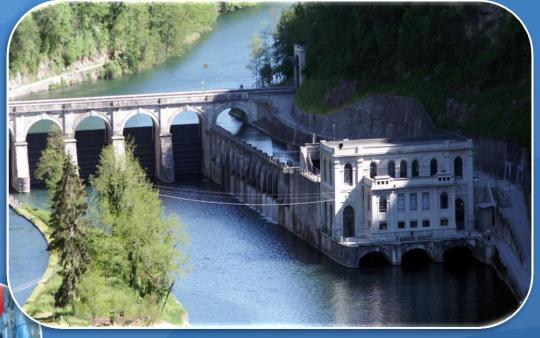




It's a tributary of the Powhich it joins at «Ponte della Becca», a bridge located south of Pavia.



Along its upper course in Switzerland and its middle course in Italy,





there are a lot of hydroelectric plants for the production of electricity

For irrigation people have built a lot of artificial canals.



Naviglio Grande



The most important are:

- Canale Regina Elena
- Canale Villoresi
- Canale Industriale
- Naviglio Grande
- Naviglio Sforzesco
- Naviglio Langosco

SITOGRAFIA

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