



The diagram illustrates the process of channelization and the formation of a river valley through six stages, labeled 1 to 6 from left to right. Each stage shows a cross-section of the riverbed and surrounding land.

- Stage 1:** A wide, flat floodplain with a low water level (Wg) and high sedimentation (Wm). The riverbed is represented by a series of horizontal lines.
- Stage 2:** The riverbed begins to incise slightly, forming a shallow channel. The water level (Wg) is slightly higher, and sedimentation (Wm) is slightly lower.
- Stage 3:** The channel becomes deeper and more defined. The water level (Wg) is higher, and sedimentation (Wm) is lower.
- Stage 4:** The channel is deeper still, and the banks begin to form. The water level (Wg) is higher, and sedimentation (Wm) is lower.
- Stage 5:** The channel is deep, and the banks are high and defined. The water level (Wg) is higher, and sedimentation (Wm) is lower.
- Stage 6:** The channel is very deep, and the banks are very high and steep. The water level (Wg) is higher, and sedimentation (Wm) is lower.

Labels on the right side of the diagram indicate the state of the riverbed and banks:

- Stage 1:** - śluzisko silnie zalewane (floodplain heavily flooded)
- Stage 2:** - przepływność silnie obniżona (discharge significantly reduced)
- Stage 3:** - przepływność silnie obniżona (discharge significantly reduced)
- Stage 4:** - przepływność silnie obniżona (discharge significantly reduced)
- Stage 5:** - przepływność silnie obniżona (discharge significantly reduced)
- Stage 6:** - przepływność silnie obniżona (discharge significantly reduced)

Labels on the left side of the diagram indicate the state of the riverbed and banks:

- Stage 1:** - wysoka mechaniczna wytrzymałość (high mechanical strength)
- Stage 2:** - wysoka mechaniczna wytrzymałość (high mechanical strength)
- Stage 3:** - wysoka mechaniczna wytrzymałość (high mechanical strength)
- Stage 4:** - wysoka mechaniczna wytrzymałość (high mechanical strength)
- Stage 5:** - wysoka mechaniczna wytrzymałość (high mechanical strength)
- Stage 6:** - wysoka mechaniczna wytrzymałość (high mechanical strength)