Proposed solutions for the worksheet: Storage and backup

Advantages	Disadvantages
Own PC	
• self-responsible for security and backup • maximum control	• what happens with the PC happens with the backup • possible lack of resources and know-how • individual solutions are complex
Mobile storage (USB stick, external hard drive)	
• easy to transport • can be stored in a lockable cabinet or safe	• loss, theft (very unsafe) • in case of loss: contents are unprotected, if not encrypted • external hard drive is susceptible to shock and wear
Institutional storage (cloud, virtual drives)	
• backup of the data is guaranteed • professional implementation and maintenance • storage according to data protection guidelines of the institution	• speed may depend on network • access to backups possibly delayed by service path • possibly unclear which safety criteria and strategies are used
External storage (cloud of a free or commercial provider)	
• easy to use and manage • backup of the data is guaranteed • can be used for mobile work • professional execution and maintenance	• depending on the provider the connection can also be insecure • depending on internet access (upload and download might be slow) • access to backups may be delayed • issues with data protection