

THE SOCIO-ECONOMIC VALUE OF UNIPROT

Launched in **2001**, and building on previous databases, **UniProt** is a **comprehensive resource on protein data**.

Detailed annotations on protein function, domains, and modifications



Benefitting a vast community of life science researchers across the world

Seamless integration of protein data to other biological databases



Users primarily from North America (23%), Europe (15%), Asia (28%)

Advanced tools for data search, analysis, and visualisation



And from academia (67%), industry (20%)

Globally and freely accessible

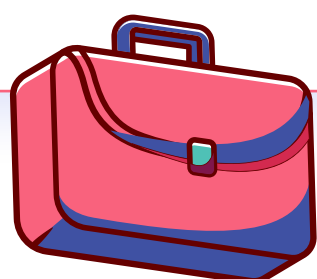


Mostly used in the fields of bioinformatics, biomedical technology and pharma

TOTAL AVERAGE ANNUAL COST & BENEFITS

UniProt's operation depends heavily on human expertise (~70% of the expenses).

Total annual costs €14.6 million



Users benefit from time savings in accessing data and conducting research.

Total annual benefits: €373 million – €565 million



POWERING DISCOVERY, INNOVATION AND ECONOMIC GROWTH



Creating new knowledge

15,200+ scientific publications mentioned UniProt and its resources.

Accelerating R&D and innovation

183,000+ patent publications mentioned UniProt and its resources.

Innovations driven mainly in **biotechnology and pharmaceuticals** fields.

UniProt fosters spin-offs and start-ups within the life sciences sector that provide expertise in data manipulation, interpretation, and analysis.

The resource accelerates the development of **new products and technologies**, for example, protein identification, drug target validation, machine learning models.

Pfizer, Genentech, Roche, Novartis, and other global leaders rely on UniProt for bioinformatics-driven discovery.



Supporting the UN Sustainable Development Goals (SDGs)

Scientific publications mentioning UniProt are mostly related to **SDG3 (Good Health and Well-being)** and **SDG2 (Zero Hunger)**.



WHAT IF UNIPROT DID NOT EXIST?

- 74%** Would not have had access to the same data from a closed source
- 68%** Could not have recreated the same data themselves
- 65%** Would have experienced slower publication timelines
- 52%** Said academic collaboration would have been limited

No other resource offers UniProt's unique combination of protein data quality, coverage, and integration.



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