

THE PARTNERSHIP

BD2Decide is conducted by an international partnership that includes 4 research institutions, 5 cancer clinics and 3 ICT companies.

Italy

Azienda Ospedaliero Universitaria di Parma
MultiMed Engineers srls
Fondazione IRCCS Istituto Nazionale dei Tumori
Politecnico di Milano
Università degli Studi di Parma

Germany

Heinrich-Heine-Universität Düsseldorf Fraunhofer
IGD Visual Computing

Greece

Athens Technology Center S.A.

Israel

All in Image Ltd

Netherlands

Stichting VU University Medical Center
MAASTRO

Spain

Universidad Politecnica de Madrid

WHAT IS BD2DECIDE?

BD2Decide builds on the joint deployment of (i) data management techniques for “big data” and (ii) an integrated library of analytical models validated by the scientific community, to improve the prognosis and treatment of head and neck cancer.

Cancers of the head and neck region are the 6th more deadly cancers worldwide (in Europe around 150.000 new cases are detected each year) and their treatment can have hard impact on patient's aesthetics and essential functionalities, contributing to a substantial decrease in quality of life.

The intrinsic heterogeneity of such tumours makes their understanding particularly difficult and in most cases the diagnosis is made at later stages, when therapeutic impact is heavier and results are less certain.

The increased availability of new data –both in quality and quantity– is challenging the world of ICT technologies to obtain much more precise prognostic predictions, to implement first-line treatments which maximize therapeutic results and minimize the impacts on the patients' quality of life.

BD2Decide is a cloud based, distributed infrastructure, that will be available to healthcare centres across Europe.

The logo for BD2DECIDE features a stylized DNA double helix on the left, followed by the letters 'BD' in a large, bold, blue font, and 'DECIDE' in a smaller, blue font to the right.

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 689715

BIG DATA AND MODELS
FOR PERSONALIZED
HEAD AND NECK CANCER
DECISION SUPPORT

