CORE FACILITIES

ATiM

Nicolas Luc
Core Facility Manager

ATiM (*Advanced Tissue Management*) is a biobank information management system (BIMS) developed by the Canadian Tissue Repository Network (CTRNet).

Provided under a GNU General Public License (v3) to biobanks, ATiM is a powerful solution that makes it possible to annotate samples with clinical and sampling data, while ensuring complete traceability of the samples, from signing off on consent to their use in research projects.

The ATiM software was developed by CTRNet to promote the quality of Canadian institutional biobanks and has been designed to ensure biobanks have a high level of security and data quality while allowing for simple and low-cost customization and deployment.

SERVICES

NEEDS ANALYSIS
> Identification of user needs
> Analysis of gaps between the main software and user needs
> Design of a customized ATiM version

CUSTOMIZATION
> Development of a customized ATiM version (back-end and front-end)

DATA MIGRATION
> Development of data migration scripts to import existing data into the customized ATiM database

INSTALLATION, MAINTENANCE AND UPDATES
> Configuration and updating of the web server (Apache or IIS) and of the PHP and MySql tools
> Installation and updating of the customized ATiM version on the dedicated server

USER TRAINING AND SUPPORT

RESEARCH IN ACTION

With the adoption of the ATiM software in 2008, the 14 biobanks of the CRCHUM cancer research theme acquired a powerful tool allowing them to reference and annotate more than one million biological samples from 190,000 consenting participants. This ensures complete and detailed traceability of the management of all these samples collected since 1990. Using an ATiM API that allows the automated annotation of samples from the CHUM tumour registry completes the architecture in place. It contributes significantly to the enhancement of the entire inventory of the research theme's biobanks.

HIGHLIGHTS

With the support of CTRNet's leading biobanks, our team offers institutions, networks and laboratories wanting to acquire ATiM software all its expertise acquired over the last 18 years in developing and installing custom ATiM instances.

Today, ATiM is, in summary:

20 institutions

68 instances deployed

77 biobanks and consortia supported

4 international facilities

Over **3 million** biological samples referenced in ATiM instances