



Data  
Management  
Biomedical



**DMB ANNUAL CONFERENCE: 21 NOVEMBER 2023**

**CITE INTERNATIONALE UNIVERSITAIRE DE PARIS, FRANCE**

## **Abstract Submission Form**

The main themes for 2023 edition of DMB annual conference will be:

### **Landscape of innovations in eDC systems, associated regulations and operational challenges**

This theme is designed to provide a comprehensive understanding of new systems developed in the context of Clinical Trials management, related regulatory requirements and systems validation.

Join us as we explore the latest trends, best practices, and cutting-edge technologies that drive efficient and compliant data management processes.

We are looking for speakers on the following topics:

- *From eCRF development to archiving, experience in new tools, new needs and challenges*
- *Validation of systems (why, how, when)*
- *Regulators PoV related to dysfunction in the given system management / new ICH / EMA guidance*
- *Usage of open source metadata repository and data lake*
- *Approach to create new eDC systems*

Presentations should not be commercial, but present a scientific topic related to clinical data management.

Please send abstract to [vdroal@gmail.com](mailto:vdroal@gmail.com)

**Submission deadline: Friday 28 July 2023**

**Presenter Name:** tbd, Patrick Chevarier      **Date:** 11/09/2023

**Presentation Title:** How can common AI libraries help to built QA, QC tools for Data-managers

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**Affiliation of all authors:**

*(Institution/Hospital/Department, City, Country)*

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**Abstract Summary: maximum of 75 words. This will be read in introduction to your speech on the conference day.**

Each of us hears and probably reads a lot about AI, what about practicing?

With a limited start-up budget thanks to Opensource, using common skills, Python being taught in most DM Masters you can improve quality, reporting, anomaly detection using pre trained models, and/or recognized NLP process. Examples from specification, setup quality control and audit trail analysis will illustrate this assertion from programming and usage point of view.

**Additional abstract details:** (will be used to evaluate your abstract relevance for DMB's Conference)

A partir de deux exemples tirés de notre outil de contrôle qualité de la mise en place et du monitoring de l'audit trail nous aborderons d'abord le point de vue de l'utilisateur, puis les aspects pratiques et mise en œuvre.

L'objectif du contrôle qualité de la mise en place est principalement d'assurer l'homogénéité entre tous les documents de spécifications (CRF, CRF annoté, dictionnaire de données, plan de validation de données, structure des exports SAS). Nous détaillerons l'analyse syntaxique du plan de validation des données écrit sous Excel. Ce sera l'occasion de décrire les techniques courantes de traitement du langage naturel, ainsi que l'utilisation de modèles préentraînés existants qui bien que moins précis peuvent permettre de s'affranchir de la constitution de jeux de données d'entraînement, de test, de validation volumineux.

L'objectif du monitoring de l'audit trail est entre autre de répondre aux guidelines de l'EMA : Guideline on computerised systems and electronic data in clinical trials EMA/INS/GCP/112288/2023.

Dans ce cadre l'analyse et exploration de données d'un audit trail sont abordées sous l'angle des séries chronologiques.

Cette approche permet de combiner les techniques de visualisation de pic d'utilisation de données avec les techniques à base de forêts aléatoires permettant de prendre en compte plus de facteurs.

Enfin, un panorama des librairies et modèles accessible, ainsi que des métriques et visuels d'évaluation courant nous permettra d'envisager d'autres cas d'utilisation



**Brief Introduction of Presenter/ Bio:** maximum of 50 words (to be used by the session chair to present the speaker)

The presenters are:

- Data-analyst specialized in IT solutions design for clinical research and in clinical data collection and cleaning.
- DM

**Primary Interest Area (e.g. tool, monitoring, study management, data standards ...)**

AI for data-management

**Language used in Oral Presentations and Slides:** (either English or French. The presenter may choose to use either language during the presentation without a requirement for it to be consistent - i.e. English slides could use a French voice-over, or vice versa). French is strongly recommended for French native speaker.

**Oral**     French     English

**Slides**     French     English

**Learning Objectives:** Maximum 60 characters present the 3 learning objectives that will reflect what the audience will gain from your presentation

- 1- Utilisation de bibliothèques open source orientées IA en Python
- 2- Panorama des bibliothèques disponibles
- 3- Panorama des cas d'utilisation accessibles

I authorise DMB to send my presentation in PDF format to attendees and DMB members after the Conference

Name:

Date:

Signature: