WG2 Objectives we focused on at the workshop

- Heliospheric dynamics of ICMEs and evolution of their structure
- Relationship between empirical, analytical, and numerical propagation models and comparison with observations; forecasting aspects

Scientific Questions Addressed at the workshop

- How much variable ambient conditions affect ICMEs?
- What is the role of the flare-associated reconnection?
- What is the role of emerging flux and poloidal-flux injection?
- How long the Lorentz force dominates over the aerodynamic drag
- How high-speed solar wind streams (corotating interacting regions) affect ICMEs?
- ICME deflection
- Comparison of propagation models and their forecasting capabilities
- How to estimate the drag parameter γ and/or the dimensionless drag coefficient?

Key action items

1. Modeling of events selected at WG1 and WG4 (numerical and analytical modelswhic we have at disposal)
2. Comparison of model results with observations
3. Comparison of results produced by different models (ENLIL, COIN, DBM,”flux-rope”...); e.g., 1AU transit time and impact speed, kinematical curves, etc.
4. Focusing on physical background (better understanding of physical mechanisms and processes that cause eruptions, and processes that most strongly affect the heliospheric ICME propagation.
5. Deadline: autumn