We thank all reviewers for their praise and constructive criticism. We will revise the manuscript to address the presentation issues flagged up in the reviews. In particular, we will:

• Emphasize that Theorem 4 is mostly useful when the maps $\psi_i$ are contractions.
• Include further background material on the carre du champ operator, probably in the appendix.
• Provide a complementary presentation of the Ornstein-Uhlenbeck mechanism aimed at practitioners.
• Include examples of mechanisms satisfying the conditions of Section 3.
• Expand the details about the construction of the transport Markov operator.
• We will try to find a compelling application for the mechanisms presented in Section 5.