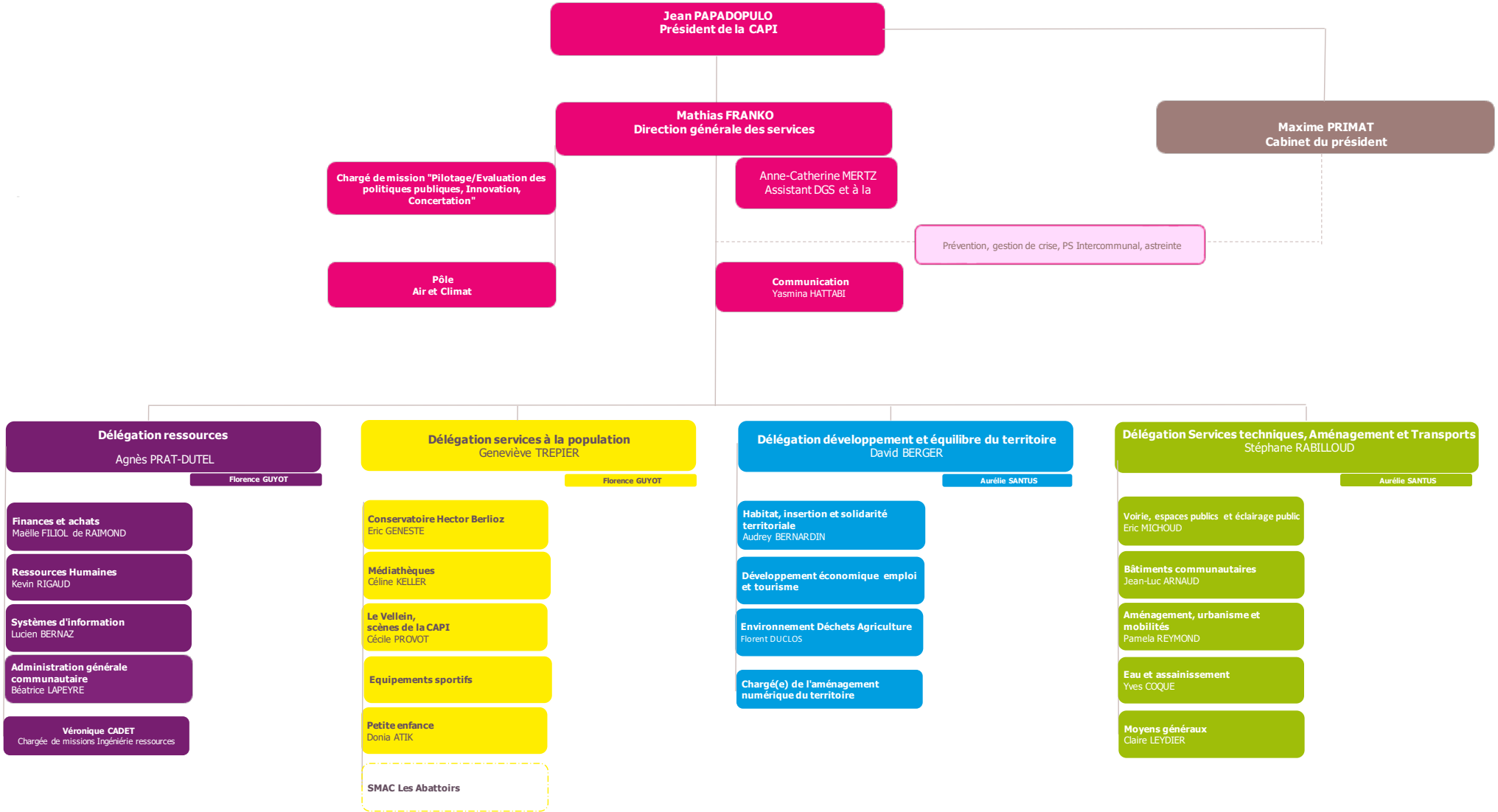mise à jour MAI 2023