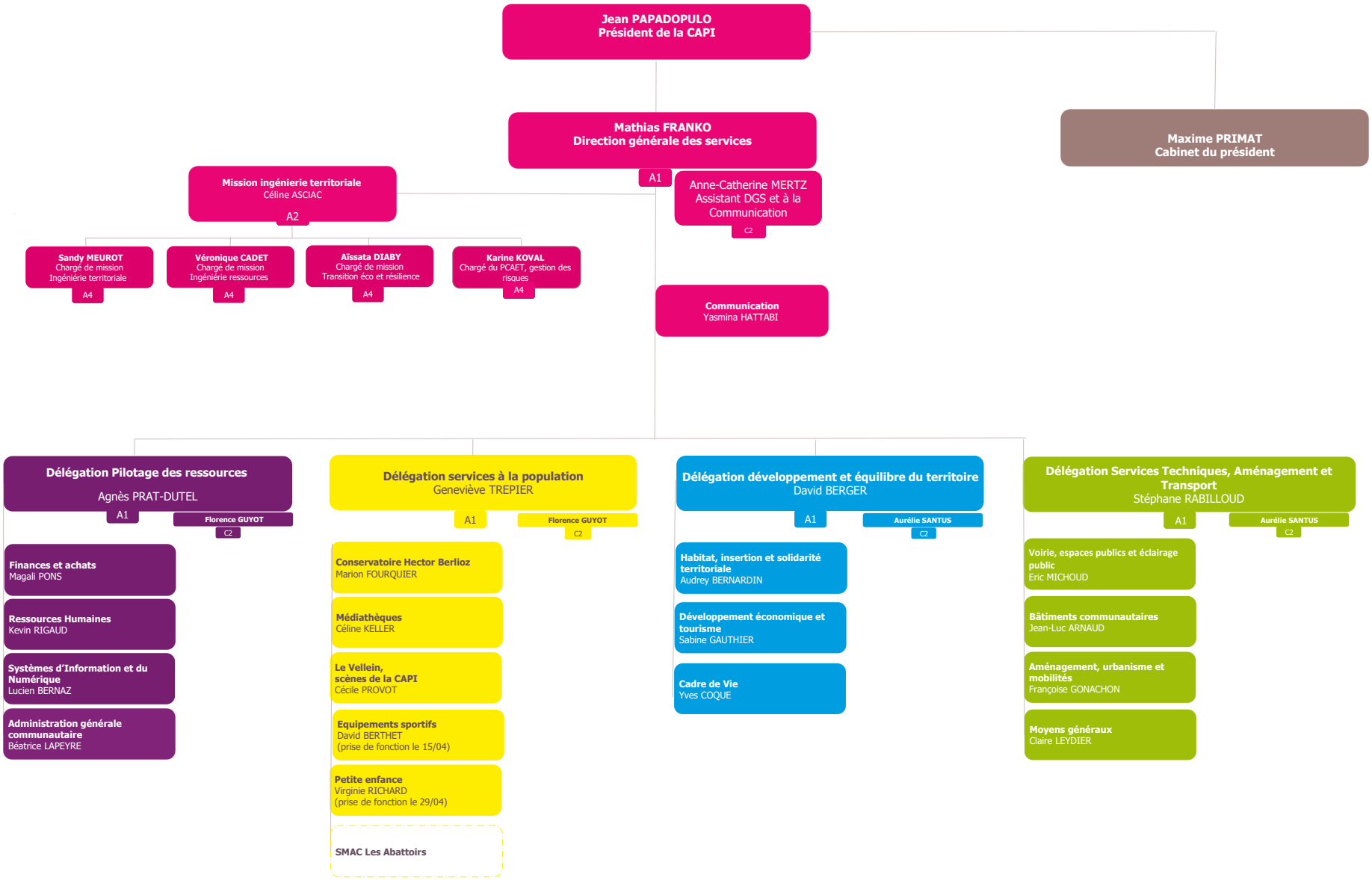mise à jour Avril 2024