Launch of Open Force Field Consortium		SMIRNOFF99Fros Publication		Toolkit 0.2 Kit support)				Force Field Beta Relea		Force Field 1.0 Public Release	
		I. SMIRNOFF	Toolkit	II. Build	d Datasets		III. First Optimization	on Sprint	IV. Automate Assessem		
	Oct	2018	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	

I. SMIRNOFF / Toolkit II. Datasets / Curation **III. First Optimization Sprint** IV. Automated Assesment Initiate torsion/valence fitting procedure for the selected SMIRNOFF v01 format specification / Select representative small molecules for torsion Densities (neat and mixture) molecules. SMIRNOFF99Frosst implementation generation. [10.1021/acs.jctc.8b00640] Dielectric constants Generate QM torsion profiles for selected Expand dataset to include wider range of molecules and SMIRNOFF v02 format specification. molecules. Enthalpies of mixing fragments. Assessment: densities, dielectric constants, Curate dataset of densities, dielectrics, and L-J parameterization for selected organic liquid dataset. Host-guest thermodynamics enthalpies of mixing. hydration free energies, host-guest thermodynamics. Curate an initial host-guest (HG) dataset for assessment Limited protein-ligand benchmark Implement property estimation parameter in Phase IV. Toolkit support for RDKit [v0.2] and AM1-BCC. set gradients for Lennard-Jones and test property estimation framework. Curate a limited protein-ligand (PL) dataset for Torsion drive pipeline. Possible relative conformer energies preliminary assessment in Phase IV [full assessment Continuous release of OFF toolkit updates QCArchive expected in Year 2] including new features and API improvement.