Interesting Topological Spaces in Algebraic Geometry

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  - General type
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- Fake projective planes
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- Calabi-Yau manifolds
- Hurwitz schemes

- Topological galois groups, e.g. $G(\overline{F}/F)$ for $F = \mathbb{Q}, \mathbb{F}_p$.
- Spec (R) for R a DVR (a Sierpinski space)
- Quiver Grassmannians
- Rigid analytic spaces
- Affine line with two origins
- Moduli stack of elliptic curves $\mathcal{M}_{1,1}$.
- Abelian Surface
- The bananafold