Let $X$ be a, possibly not reduced, analytic space of pure dimension $n$. I will discuss intrinsic notions of smooth forms, currents and the dbar-equation on $X$. I will indicate how one, by means of integral formulas, under suitable conditions on the right hand side can solve the dbar-equation. In this way, one can also define fine sheaves $A_k$ of $(0,k)$-currents, $k = 0, \ldots, n$, that admit a resolution of the structure sheaf $\mathcal{O}_X$. The sheaves $A_k$ coincide with the sheaves of smooth forms generically on $X$; more precisely, where the underlying reduced space is smooth and $\mathcal{O}_X$ is Cohen-Macaulay. This is a joint work, in progress, with Richard Larkang.