Abstract: The points of the Ziegler spectrum of a ring $R$ are the indecomposable pure-injective $R$-modules. If $R$ is a finite-dimensional algebra, the finite-dimensional indecomposables are exactly the isolated points of this space, so we see its structure only when we include the infinite-dimensional representations. I will emphasise this theme of infinite-dimensional representations revealing structure that can't be seen at the ``finite'' level using, as illustration, the context of representations of domestic string algebras, where the complete description of the space recently was achieved (joint work with Rosie Laking and Gena Puninski).