Isomorphism classes of indecomposable objects in the $m$-cluster category $C^m(A_l)$ of type $A_l$ are in bijection with so-called $m$-diagonals in a polygon $P_N$ with $N = m(l+1) + 2$ corners (Baur–Marsh 2008). When $m/m' = (l+1)/(l'+1) \in \mathbb{N}$, this gives rise to an injective map from the set of isomorphism classes of objects in $C^{m'}(A_{l'})$ to the set of isomorphism classes of objects in $C^m(A_l)$.

In the talk, we shall see that this embedding of objects comes from a functor between the two cluster categories. While the functor in question is not full and faithful, it factors as a full and faithful functor composed with a covering of $C^m(A_l)$.