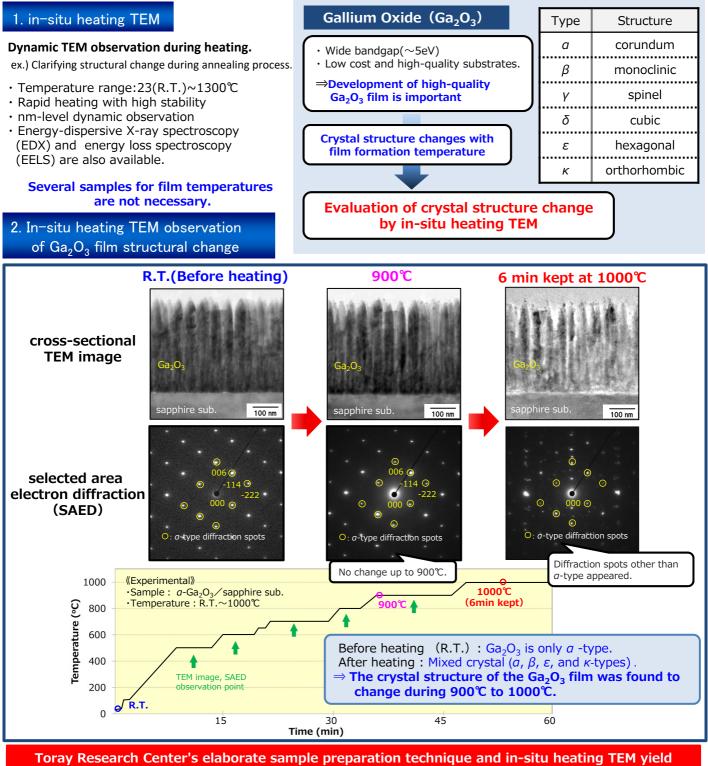
## Crystal structural change of Ga<sub>2</sub>O<sub>3</sub> film evaluated by in-situ heating TEM

Gallium oxide  $(Ga_2O_3)$  is attracting much attention as a candidate material for next-generation power devices.  $Ga_2O_3$  has several polymorphs and the crystal structural changes with the film formation temperature. In-situ heating TEM is a powerful tool for understanding such structure change. An example of the structural analysis of a  $Ga_2O_3$  film using in-situ heating TEM is shown below.



nanometer-scale direct observation of structural phase transition of Ga<sub>2</sub>O<sub>3</sub> film.

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