

OGULAB.

[Nanospace Makes Exhaust-Gas More Clean]

Department of Materials and Environmental Science

<http://www.ogulab.iis.u-tokyo.ac.jp>

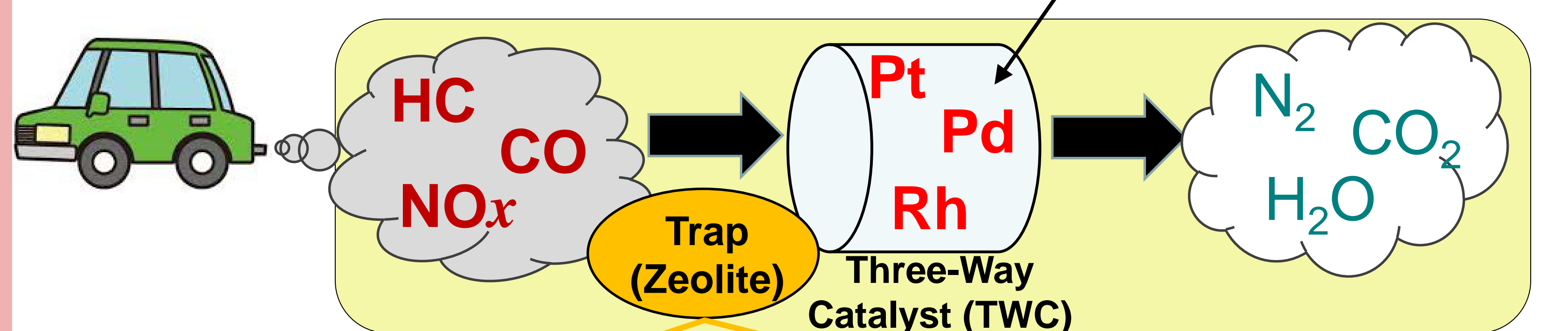
Environmental Catalyses and Materials Science

Department of Applied Chemistry

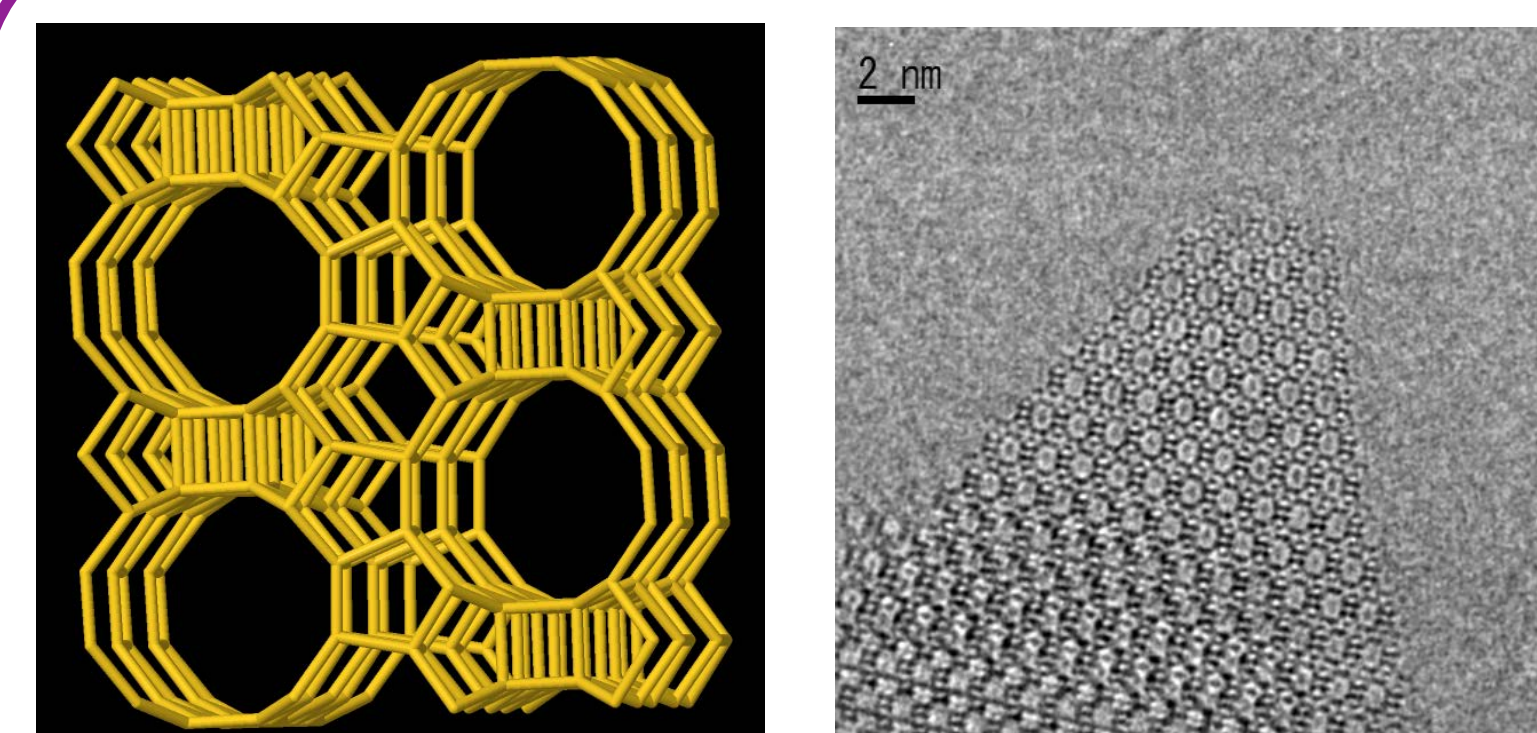
Automobile-Exhaust Catalysts

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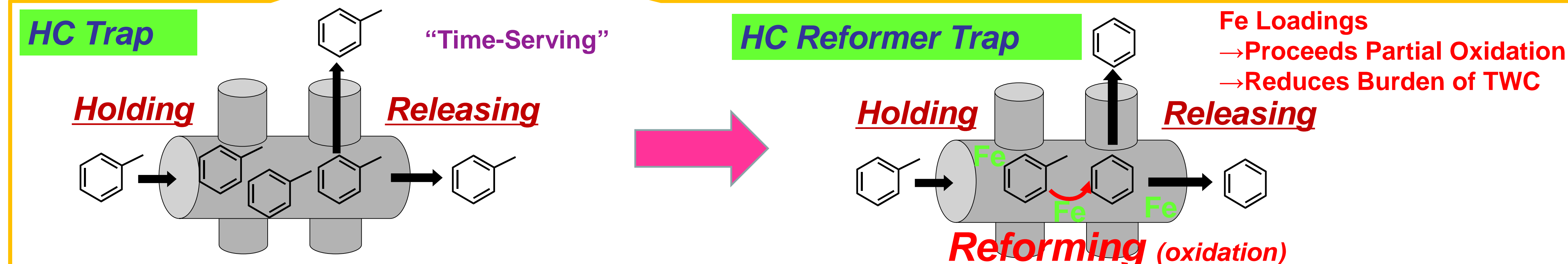
Techniques for Gasoline Vehicle



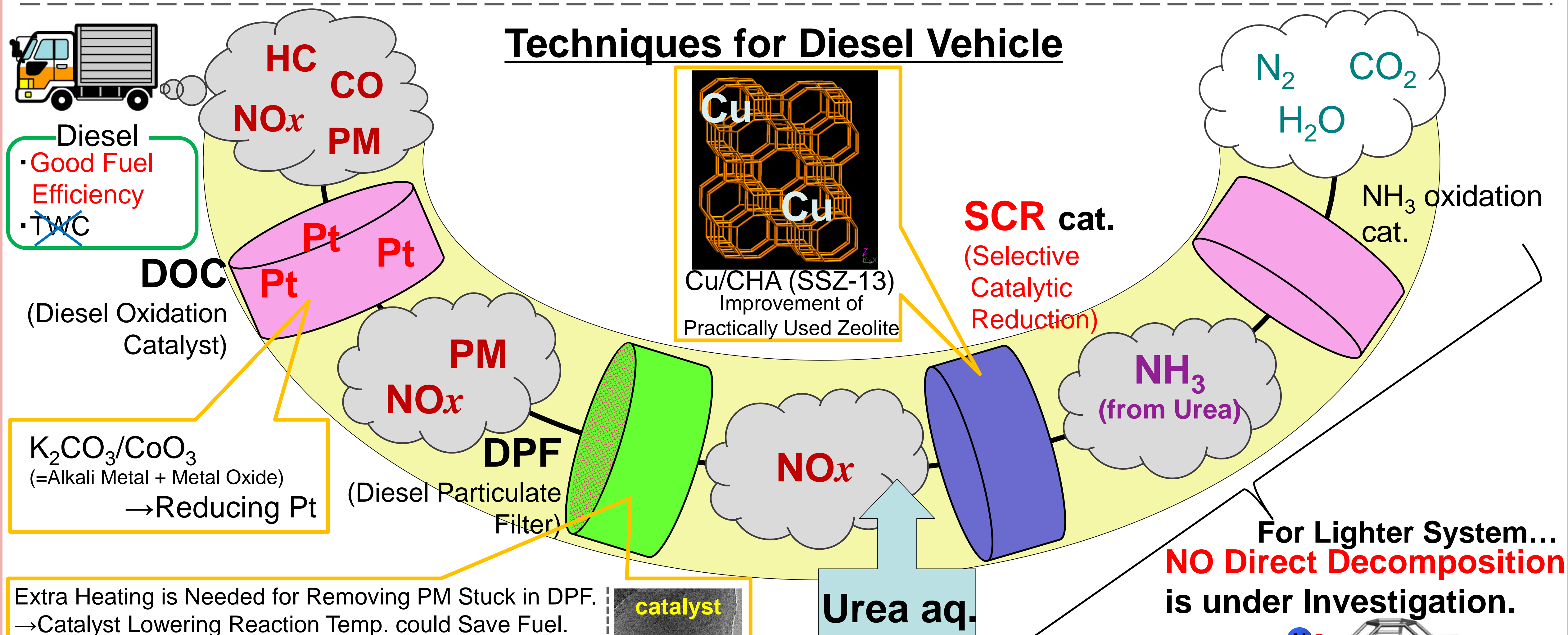
Beta(*BEA) Zeolite



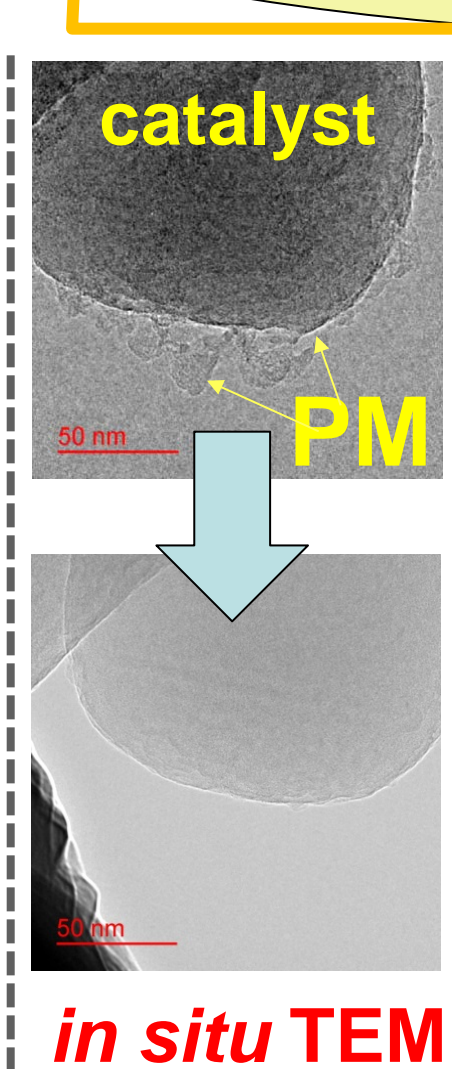
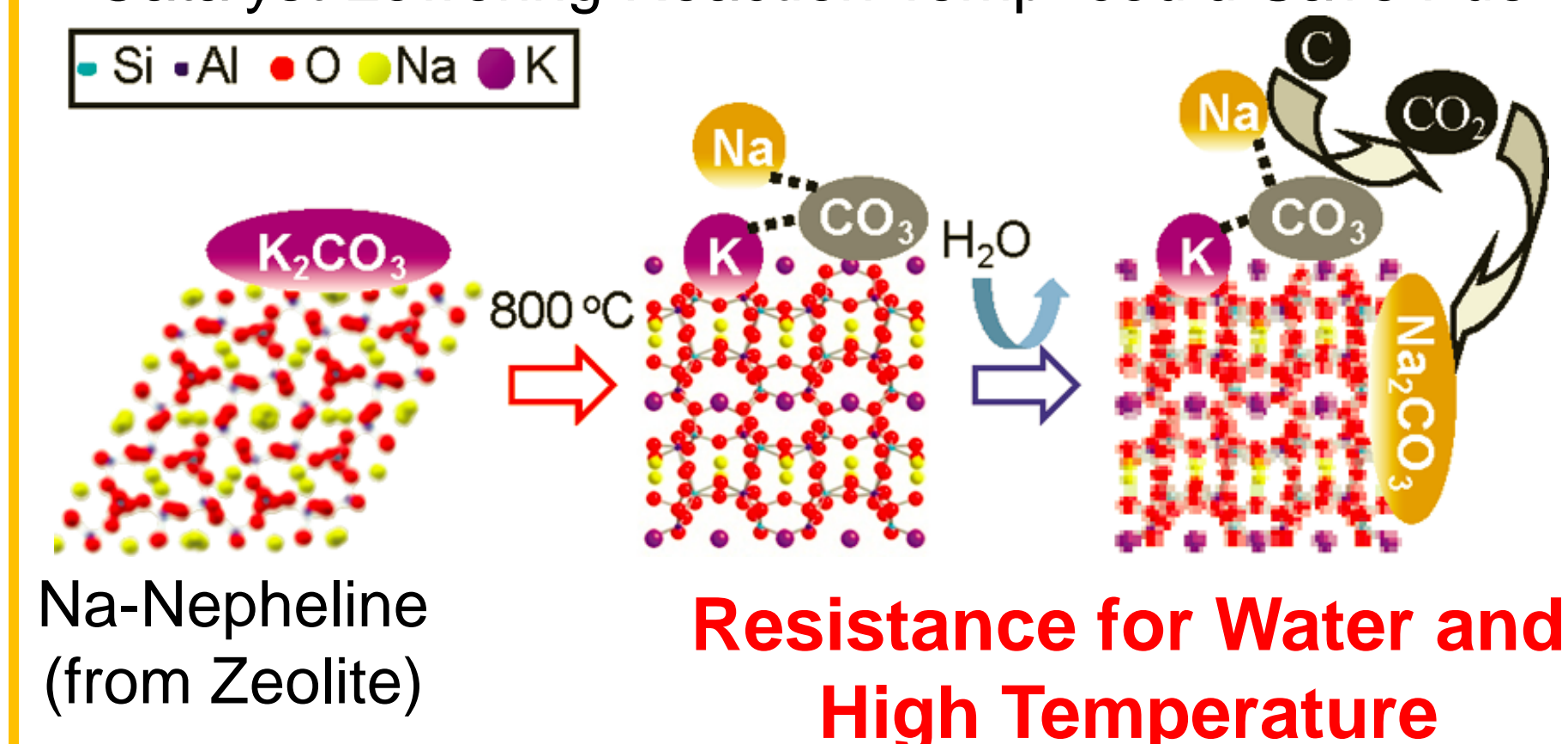
(provided by JFCC Mr. Yoshida & Dr. Sasaki)



Techniques for Diesel Vehicle



Extra Heating is Needed for Removing PM Stuck in DPF.
 \rightarrow Catalyst Lowering Reaction Temp. could Save Fuel.



We Observed that Metal-Exchanged Zeolites can Adsorb and Concentrate NO .

We Suggest a Novel Reaction System for On-Board Use.

