



Generation IV Roadmap Crosscut Groups Update

***GRNS Meeting: Washington, DC
February 6, 2002***

Crosscut Groups Established

- ***Fuel Cycle Crosscut Group***
- ***Fuels and Materials Crosscut Group***
- ***Risk and Safety Crosscut Group***
- ***Economics Crosscut Group***
- ***Energy Products Crosscut Group***

R&D Topics Assigned to Each CG

FCCG

- *Fuel Cycles*
- *Mining*
- *Enrichment*
- *Reprocessing*
- *Transmutation*
- *Waste disposal*
- *Non-proliferation*

RSCG

- *Static & transient analysis*
- *Design basis analysis*
- *Instrumentation and control*
- *Balance of plant*
- *Probabilistic risk assessment*
- *Risk-based regulation*
- *Personnel safety*

ECG

- *Economic models*
- *Modularity*
- *Constructability*
- *Standardization*
- *Economics of operation*
- *Energy conversion*
- *Value of products*

FMCG

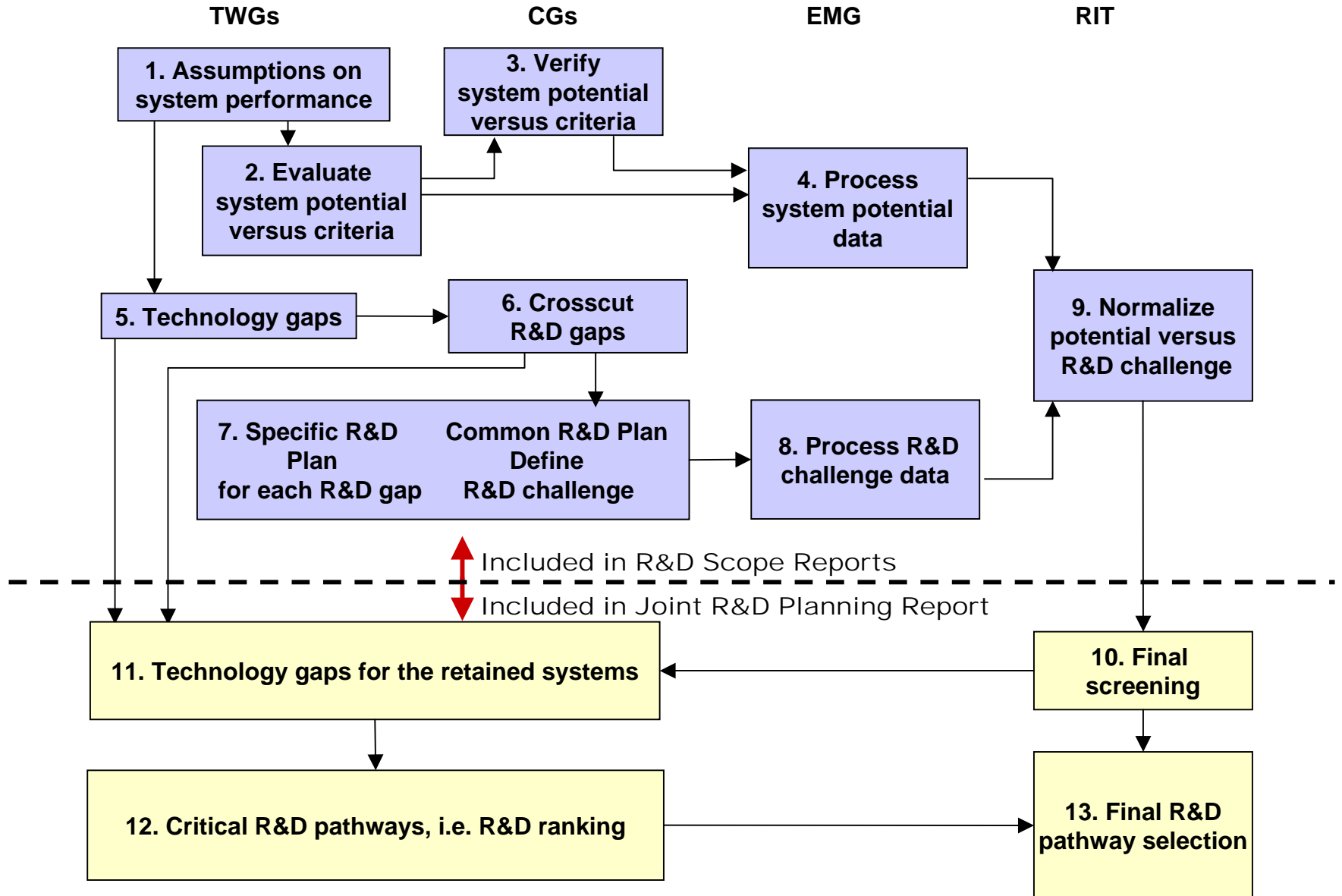
- *Fuel, cladding, absorbers*
- *Fabrication*
- *Fuel testing*
- *Spent fuel behavior*
- *Structural materials*
- *Materials compatibility and testing*

EPCG

- *Electricity*
- *Hydrogen production*
- *Desalination*
- *District & process heat*
- *Cogeneration*

Crosscut Group Rosters

	<i>ECCG</i>	<i>EMCG</i>	<i>RSCG</i>	<i>ECG</i>	<i>EPCG</i>
<i>EMG</i>	<i>W. Halsey</i>	<i>*D. Crawford</i>	<i>*P. Peterson</i> <i>D. Bley</i>	<i>K. Miller</i> <i>*G. Rothwell</i> <i>*E. Bertel</i>	<i>M. Golay</i>
<i>TWG1</i>	<i>B. Boullis</i>	<i>G. Was</i> <i>P. MacDonald</i>	<i>M. Carelli</i>	<i>K. Hedges</i> <i>P. Lauret</i> <i>*M. Corradini</i>	<i>A. Vasile</i>
<i>TWG2</i>	<i>K. Fukuda</i> <i>D. Greneche</i>	<i>W. von Lensa</i> <i>*T. Abram</i> <i>D. Moses</i>	<i>S. Ball</i> <i>B. Ballot</i> <i>J. Royen</i>	<i>A. Kadak</i> <i>F. Southworth</i>	<i>A. Shenoy</i> <i>*M. Ogawa</i>
<i>TWG3</i>	<i>C. Boardman</i> <i>*D. Wade</i> <i>J. Glatz</i>	<i>N. Li</i> <i>M. Ichimiya</i> <i>C. Nordborg</i>	<i>S. Rosen</i> <i>K. Suh</i> <i>C. Boardman</i>	<i>J. Touhy</i> <i>Y. Sagayama</i>	<i>M. Lineberry</i>
<i>TWG4</i>	<i>*C. Forsberg</i> <i>M. Leroy</i>	<i>W. Park</i> <i>C. Garzenne</i>	<i>*M. Delpech</i> <i>*P. Pickard</i>	<i>T. Lennox</i>	<i>*L. Peddicord</i> <i>*A. Klein</i> <i>D. Lewis</i> <i>S. Herring</i>
<i>NTDG</i>			<i>J. Binder</i>	<i>C. Braun</i>	
<i>RIT</i>	<i>H. Khalil</i>	<i>T. Allen</i>	<i>G. Fiorini</i>	<i>R. Bennett</i>	<i>J. Ryskamp</i>
<i>Other</i>	<i>H. Noda</i> <i>L. Van Den</i> <i>Durpel</i> <i>M. Yang</i>	<i>R. Gottschall</i>	<i>M. Gasparini</i>	<i>J. Rouault</i>	



Crosscut Group Work Scope

- *Review TWG reports and ensure evaluation consistency*
- *Look for opportunities for common R&D*
- *Identify objectives for common R&D*
- *Identify how common R&D improves ability to meet goals*
- *Identify scope, schedule, and cost for common R&D*
- *Recommend common R&D priorities*
- *Contribute sections to R&D Scope Reports*
- *Prepare reports on specific issues as needed*
- *Write Joint R&D Planning Report with input from TWGs*

Crosscut Group Status

- *Fuel Cycle Crosscut Group issued a report in November 2001*
- *Four additional crosscut groups began work in November 2001*
- *FCCG, RSCG, and ECG provided initial comments on concept evaluation consistency*
- *Now focusing on one concept for each TWG (IPSR, GFR, Na metal pyro B, GCR)*
- *Preparing for upcoming conference call and meetings*
- *Playing essential roles to ensure high quality Roadmap*

Next Crosscut Group Milestones

- 11-Feb-02** ***Report findings on four concept evaluations***
- 15-Feb-02** ***R&D Scope Report input to TWGs***
- 5-Mar-02** ***Report consistency issues on Feb 22 evaluations***
- 15-Mar-02** ***R&D Scope Report input to TWGs***
- 15-Apr-02** ***R&D Scope Report input to TWGs***
- 28-Jun-02** ***Final R&D planning report***

Crosscut Group Meetings

- ***All met in San Francisco on November 29, 2001***
- ***ECG meets in Chicago on February 14-15, 2002***
- ***CG leaders meet in Washington, DC on Feb 19-20, 2002***
- ***RSCG meets in Berkeley, CA on Feb 28-Mar 1, 2002***
- ***CG leaders meet in Houston on March 5-8, 2002***
- ***All meet in Washington, DC on April 9-11, 2002***