

소재 R&D 데이터 표준화 (전문위 Workshop)

2022.11.23
online

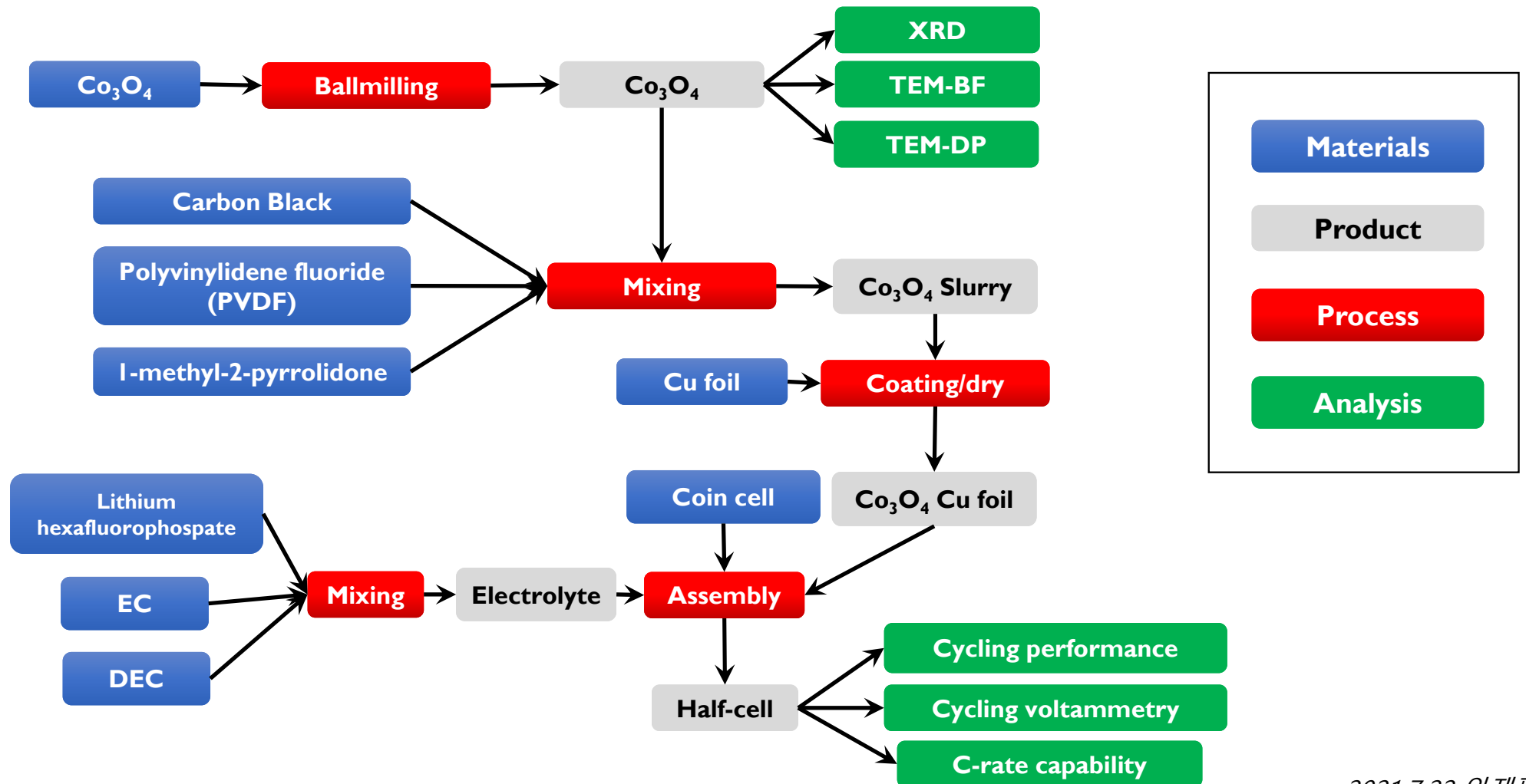
Milestone (As of 2022.2.9)

Mission	2	3	4	5	6	7	8	9	10	11	12
어휘표준화	전문가 워크샵	전문위 (워크샵 작업 확인 및 향후 계획 논의)		전문가 워크샵 전문위	전문위 Ver. 2022-1		전문가 워크샵	전문위 (워크샵 작업 확인 및 향후 계획 논의)		전문가 워크샵 전문위	전문위 Ver. 2022-2
				산학연 의견수렴						산학연 의견수렴	
사전관리 플랫폼 v.1.0		플랫폼 설계	플랫폼 제작		완성	K-mds 연계 혹은 migration					
홍보 및 국제 심포지움			금속학회 (창원)		RDA Plenary (서울)	NanoKorea (서울)			금속학회 (제주)	ENGE (제주)	MRS (Boston)
해외 관련 기관 방문 : 국제표준화					Wish I			Wish II			

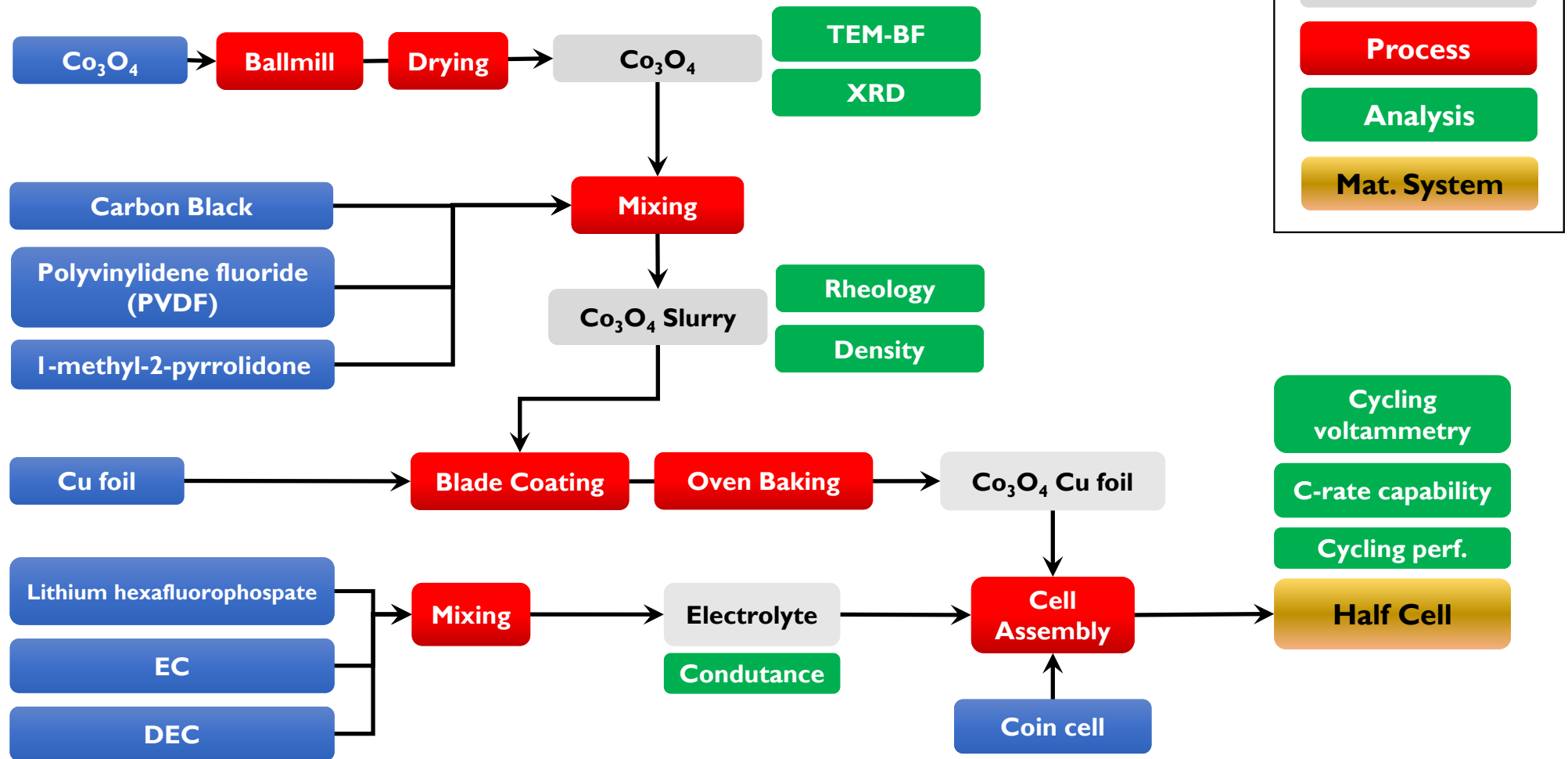
Agenda

- 표준어휘 사전 2022-2 Version Draft 검토
- *Rethink of Materials, Process and System (이광렬)*
 - 소재 R&D 데이터 표준 어휘 체계에서 "MATERIALS", "PROCESS", "SYSTEM" 의 개념과 그 상호 관계는 체계의 일관성을 위해 매우 중요한 요소
 - 그 동안의 작업 경험을 바탕으로 세 단어의 개념을 좀 더 명확히 정의하고, 해당 표준 어휘의 논리적 일관성을 점검하고자 함

Rethink of Materials, Process and System



Rethink of Materials, Process and System



Rethink of Materials, Process and System

Raw Material

- Materials or precursor for preparing *material_n*
- Input materials of a process
- Usually defined by keyword of *process*
- No need to define its properties owing to its self-evidence. (If needed, they can be defined by keyword of *process*)

Material_n

- Product of a process & input of the next process.
- A material must be assigned to *material_n* if the next process has other input material(s) in addition to this material.
- A material must be assigned to *material_n* if its property was characterized.

Process

- Input materials of the process must be defined by keyword of *process* except for consecutive series of processes
- In consecutive series of processes, no need to define input of each process (output of the previous process is undoubtedly the input of the present process.)
- The input materials of process can be *material_n*, raw materials or their combination.

Mat. System

- Product of a process or series of processes
- Performance of the system to be characterized
- Configuration must be defined in terms of *material_n*

Rethink of Materials, Process and System

