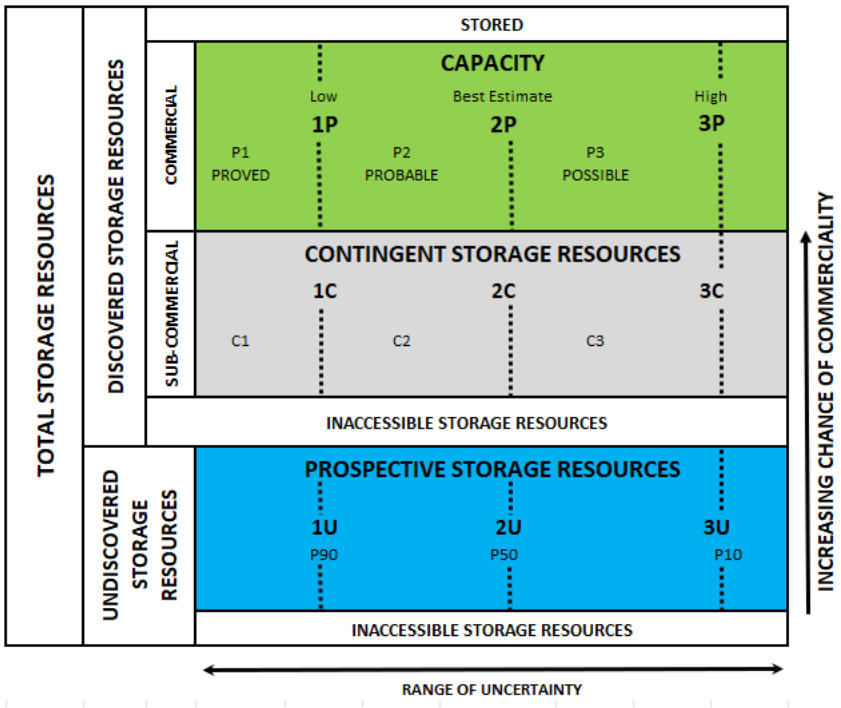
# Errata to the 2017 $CO_2$ Storage Resources Management System (SRMS)

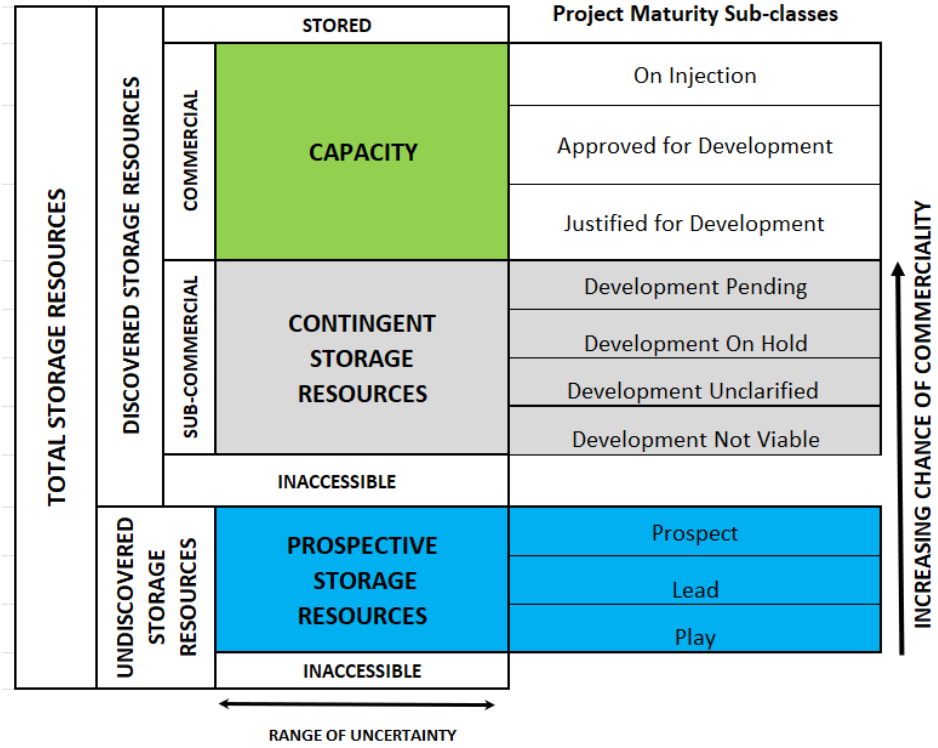
| Sect | Pg. | Para | Action | Reason |
|---|---|---|---|---|
| 1.1 | 3 | 3 | The "Range of Uncertainty" on the horizontal axis reflects a range of storable quantities ~~(e.g., pore volume potentially accessible within a geologic formation by a project)~~, while the vertical axis represents the "Chance of Commerciality," | Term is defined. Adding a slightly different definition is confusing and not needed. |
| 1.1 | 4 | Fig | Capacity, CSR, PSR should be the same. All have low, best, high and P90, P50, and P10.<br>A revised **Fig. 1.1** is at the end of this document. | Consistency in graphic. |
| 1.1 | 5 | 2 | *Contingent Storage Resources*. Those quantities of Total Storage Resources estimated, as of a given date, to be ~~potentially~~ accessible in known geologic formations, but the applied project(s) are not yet considered mature enough for commercial development, as a result of one or more contingencies. | Use of potential is redundant in the context of something happening in the future. |
| 1.1 | 5 | 4 | *Prospective Storage Resources*. The quantity of Undiscovered Storage Resources estimated, as of a given date, to be ~~potentially~~ accessible within undiscovered geologic formations or uncharacterized parts of discovered geologic formations by application of future exploration/development projects. | Use of potential is redundant in the context of something happening in the future. |
| 1.1 | 5 | 5 | … storage resulting from physical/societal constraints of the storage location, both surface and subsurface. | Missing period at end of definition. |
| 1.1 | 6 | 1 | Conceptually, the sum of Storage Capacity, Contingent Storage Resources, ~~and~~ Prospective Storage Resources, **and inaccessible storage resources** may be referred to as "Remaining Storage Resources." | Missing from list "inaccessible storage resources." |
| 1.2 | 8 | 2 | The storable quantities being estimated are those volumes (or mass) that can be stored from a project, as measured according to ~~delivery~~ regulator specifications at the point of **injection.** ~~of sale or~~ **This may also coincide with the** custody transfer **point** (see Section 3.2.1 Reference Point) | Aim of SRMS to track Stored/injected quantities – not quantities received by project which may then be processed / changed – although these MAY be the same (no processing). |
| 2.1 | 11 | Fig | A revised **Fig. 2.1** is at the end of this document. | Consistency in graphics. |
| | 18 | | 3.2.1 Reference Point. Reference Point is a defined location(s) where the stored quantities are measured (metered) or assessed. The Reference Point ~~is typically~~ **may coincide with** the point of transfer from a $CO_2$ generator or pipeline operator to the storage project operated by a third party or the $CO_2$ generator's storage operations. | Aim of SRMS to track Stored/injected quantities – not quantities received by project which may then be processed / changed – although |

| | | | | |
|---|---|---|---|---|
| | | | | these MAY be the same (no processing). |
| Table 1 | 30 | 2 | Under the Prospective Storage Resources definition:<br>Those undiscovered storable quantities of pore volume in a geological formation that are estimated, as of a given date, to be ~~**potentially**~~ accessible. | Use of potential is redundant in the context of something happening in the future. |
| Gloss | 38 | | ~~*Inaccessible*: Portion of discovered resources that are inaccessible from development as a result of a lack of physical, societal, or regulatory access at the surface or subsurface.~~<br>~~*Inaccessible Contingent Storage Resources*: Portion of Contingent Storage Resources' storable quantities that is identified but is not considered available for storage.~~<br>~~*Inaccessible Resources*: That portion of Contingent (Discovered) or Prospective (Undiscovered) Storage Resource quantities, which are estimated as of a given date, not to be used for storage. A portion of these quantities may become storable in the future as commercial circumstances change, technological developments occur, or additional data are acquired.~~<br>~~*Inaccessible Storage*: Storable quantities for which a feasible project cannot be defined by use of current, or reasonably forecast improvements in, technology~~ | Delete all. Redundant to have many variations of parts of a definition intended to have the same meaning. New single term to replace all of these below. |
| Gloss | 38 | | *Inaccessible Storage Resources*: Storable quantities classified as Discovered or Undiscovered Storage Resources, which are estimated as of a given date, not to be developed for storage. These quantities may be developed for storage in the future if circumstances change. For example, current regulatory restrictions may prohibit storage at the time of the assessment and foreseeable future. | New single term to replace all of these above. Also, what is used in the text. |
| Gloss | 39 | | ~~Potentially Accessible: Quantity of Undiscovered Storage Resources estimated, as of a given date, to be potentially accessible within undiscovered geologic formations or uncharacterized parts of discovered geologic formations by application of future exploration/development projects.~~ | Delete. everything accessible has a name other than accessible. Not used and not needed. |
| Gloss | 40 | | *Prospect*: A project associated with a ~~**potential accumulation**~~ **undiscovered storable quantities** that is sufficiently well defined to represent a viable drilling target. A project maturity subclass that reflects the actions required to move a project toward commercial production. | Consistency and clarity with text. |
| Gloss | 41 | | *Remaining Storage Resources*: The sum of **Storage** Capacity, Contingent **Storage** Resources, ~~**and**~~ Prospective **Storage** Resources**, and inaccessible storage resources**, excluding stored (i.e., previously injected) quantities. | Consistency and clarity with text. |
| Gloss | 42 | | *Stored Quantities: Part of the Capacity for a geologic formation that has injected **and retained** $CO_2$ occupying pore volume; it can be reported as mass or volume.*<br>*Any back-produced $CO_2$ quantities or emissions to atmosphere or seabed are deducted.* | Clarity to exclude emitted / produced quantities. |

| | | | | |
|---|---|---|---|---|
| Gloss | 42 | | *Stored: A classification that includes the cumulative quantity of $CO_2$ that has been actually injected* ***and retained*** *over a defined time.* ***Any back-produced $CO_2$ quantities or emissions to atmosphere or seabed are deducted. Quantities of $CO_2$ that have migrated beyond the defined boundaries of the project but remain isolated from the atmosphere and hydrosphere may be considered retained.*** *While all storage-resources estimates and injection are reported in terms of the metered $CO_2$ specifications, raw-injection quantities (including non-$CO_2$ constituents) are also measured to support engineering analyses requiring voidage calculations.* | Clarify that injected volumes alone is not stored - any later back produced quantities should definitely be excluded. |
| Gloss | 42 | | *Reference Point: A defined location within an injection and storage operation where quantities of injected $CO_2$ are measured under defined conditions before* ***injection*** ~~***custody transfer (or consumption)***~~***. This may also coincide with*** *the* ~~***called Point of Sale or***~~ *Custody-Transfer Point.* | Aim is to track injected (and stored) quantities, not necessarily the quantity of waste gas handed over to the storage project. |

REVISED FIGURE 1.1




REVISED FIGURE 2.1