

Concept Mapping

IT for Change

CC-BY-SA



Agenda

- Introduction to Concept Mapping
- Creating a Concept Map
 - Working through an example
- Analyzing the Concept Map
 - How did it help?
 - How can it be used in classrooms
- Hands-on Practice



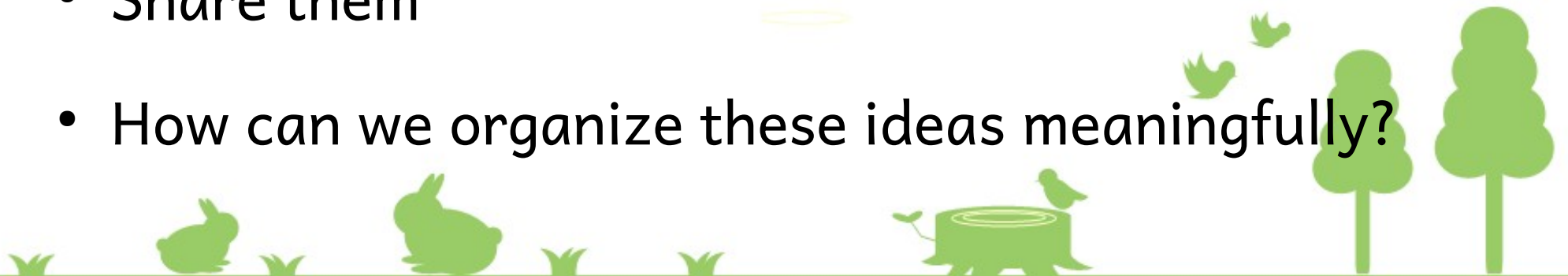
Analytical thinking with Concept Mapping

- **Ideating** – identifying ideas / concepts / sub concepts
- **Categorizing** – bringing ideas together in clusters for increased meaning making
- **Ordering** / sequencing ideas as required, building hierarchies
- **Elaborating** – adding relevant information to each idea



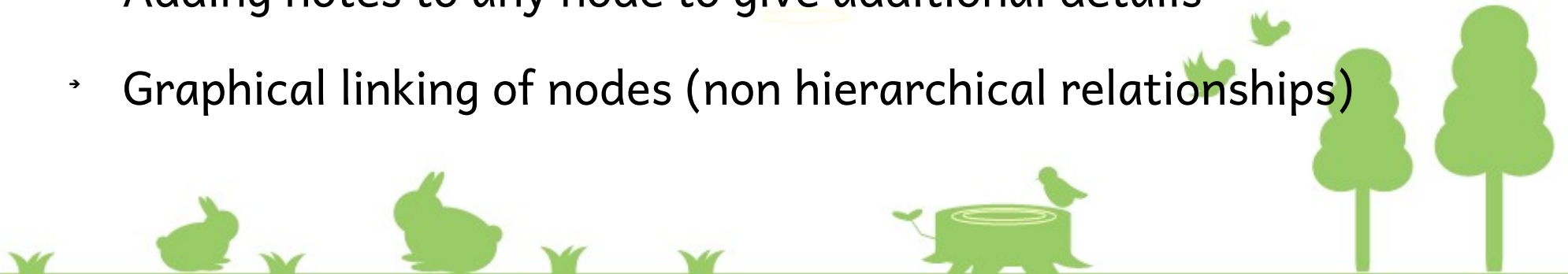
Lets think of one topic

- Take 2-3 minutes
- Think of “Hamara Uttar Pradesh”
- Think of all the thoughts, ideas that come to your mind
- Write them down
- Share them
- How can we organize these ideas meaningfully?



How to create concept map

- Opening the Freeplane application
- Inserting nodes
 - Child nodes (INSERT key) and sibling nodes (ENTER key)
 - Typing text (concepts) in the nodes
 - Connecting to external information sources by hyperlinking files and web links
 - Embedding an image to a concept
 - Adding notes to any node to give additional details
 - Graphical linking of nodes (non hierarchical relationships)



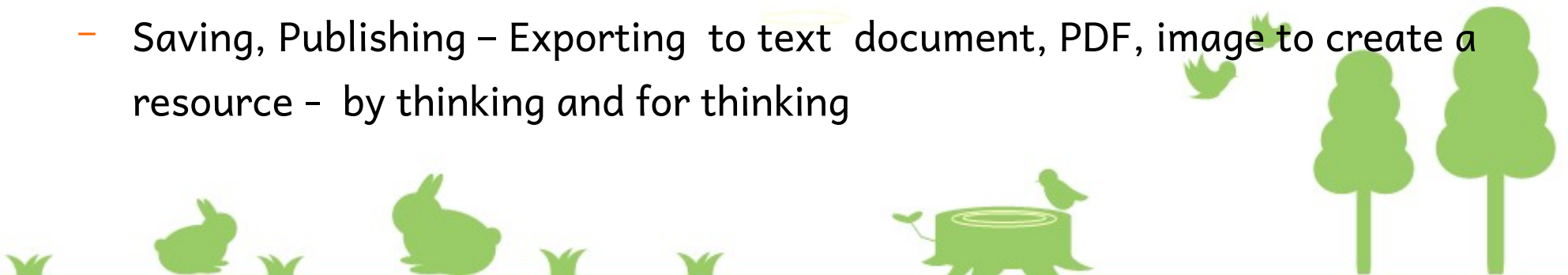
How to format your concept map

- Grouping nodes / categorizing
- Moving nodes for better clarity (CTRL - Arrow keys)
- Adding different icons to the node
- Colors, shapes, automatic layout
- Viewing the map (Zoom - Alt - Arrow)
- Save your concept map
- Exporting map as image, as text document, html file



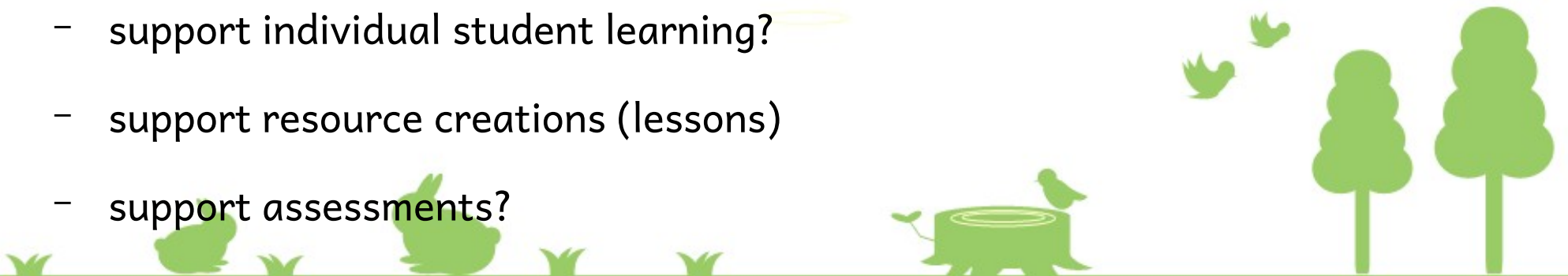
Analytical thinking with Concept Mapping

- For an individual map –
 - Adding concepts / ideas (nodes) / sub concepts (sub nodes)
 - Categorizing (moving / drag drop)
 - Arranging (moving up/down, side)
 - Emphasizing (font size, colour of edge, node)
 - Elaborating – adding notes
 - Visualizing – adding image
 - Saving, Publishing – Exporting to text document, PDF, image to create a resource – by thinking and for thinking



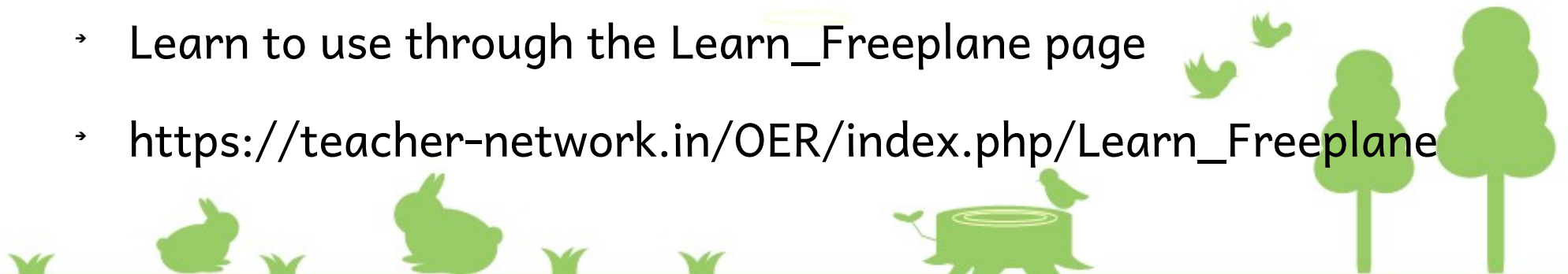
How did concept mapping help us?

- Listing concepts and sub concepts
- Making explicit, relationships between concepts
- Organize new concepts in relation to older concepts
- Presenting ideas graphically (arrange concepts from a text or lecture visually)
- Organize ideas in a logical and hierarchical manner
- Can it
 - be an exploratory exercise - Map out the areas and paths of teaching learning
 - facilitate a group process, to generate ideas (brain storming) about the topic?
 - support individual student learning?
 - support resource creations (lessons)
 - support assessments?



Conclusion

- Concept mapping is a 'thinking' software, supports our conceptualizing, ideating, brainstorming and creating activities
 - Individual concept mapping - Building PDL and Lesson plan
 - Collaborative Concept mapping - Discussions, brainstorming, documenting
- Freeplane available on GNU/Linux, Windows and Apple operating systems as FOSS
 - Learn to use through the Learn_Freeplane page
 - https://teacher-network.in/OER/index.php/Learn_Freeplane



Questions ?

