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| Identifier | kg-item-10 |
| Page title | Goals for representing knowledge |
| Planned actions | Need create new svg |
| Jay comments: 22-09-08 | Create single SVG combining text-left and text-right |
| Mahi issue/question |  |

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| Identifier | kg-item-11 |
| Page title | The Gene Ontology (1) |
| Planned actions |  |
| Jay comments: 22-09-08 | HTML text only |
| Mahi issue/question |  |

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| Identifier | kg-item-12 |
| Page title | The Gene Ontology (1) |
| Planned actions | Need create new svg |
| Jay comments: 22-09-08 | Reuse existing PNG in <amp-img>. Source: flybase-transparent-w877-h200.png has background-transparent so should work with colored background |
| Mahi issue/question |  |

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| Identifier | kg-item-13 |
| Page title | The Gene Ontology (2) |
| Planned actions |  |
| Jay comments: 22-09-08 | Reuse one of:  GO-biological-process.svg GO-cellular-components.svg GO-molecular-function.svg |
| Mahi issue/question |  |

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| Identifier | kg-item-14 |
| Page title | The GO branches |
| Planned actions | Need create new svg |
| Jay comments: 22-09-08 | Recreate this diagram    The GO branches has 3 components. see source for each component  Top image  replace arrow 1  <https://en.wikipedia.org/wiki/Insulin_receptor#/media/File:Insulin_glucose_metabolism.jpg>  similar image:  <https://www.researchgate.net/figure/Insulin-binds-to-insulin-receptor-and-induces-its-dimerization-and-auto-phosphorylation_fig1_340230064>  Middle image:  <https://vpmmanifold.com/read/1-cytology/section/630bd1bd-dc3d-439c-bdd9-fe13efc81432>  on that page, search for “Schematic: Schematic emphasizing differences between phases of mitosis.”  Bottom image:  <https://micro.magnet.fsu.edu/cells/mitochondria/mitochondria.html> |
| Mahi issue/question |  |

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| Identifier | kg-item-15 |
| Page title | Knowledge Graphs |
| Planned actions |  |
| Jay comments: 22-09-08 | This is a 3 column grid. Columns left and right are HTML text  Recreate SVG for triangle + triangle-text only:    Will not use “arrow” |
| Mahi issue/question |  |

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| Identifier | kg-item-16 |
| Page title | Example knowledge graphs |
| Planned actions | Need create new svg |
| Jay comments: 22-09-08 | HTML text only |
| Mahi issue/question |  |

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| Identifier | kg-item-17 |
| Page title | Google Knowledge Graph |
| Planned actions |  |
| Jay comments: 22-09-08 | this slide is a two column grid. Source: google-search-vemurafenib.png. Using <amp-img>  Will not use any red arrows for this slide. Image source: <https://www.google.com/search?q=vemurafenib&oq=Vemurafenib&aqs=chrome.0.69i59i131i433i512j0i512l9.3879j0j15&sourceid=chrome&ie=UTF-8> |
| Mahi issue/question |  |

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| Identifier | kg-item-18 |
| Page title | Why Knowledge Graphs? |
| Planned actions |  |
| Jay comments: 22-09-08 | Create new SVG using three sources  Right side image source (breast cancer):  <https://www.google.com/search?q=breast+cancer&sxsrf=ALiCzsYwqH2w_q9KbP2A6rDW87f77Y-Qng%3A1662649901437&ei=LQYaY6ifGsGoptQP9YGmSA&ved=0ahUKEwjo6YrGvYX6AhVBlIkEHfWACQkQ4dUDCA0&uact=5&oq=breast+cancer&gs_lcp=Cgdnd3Mtd2l6EAMyBAgjECcyBQgAEJECMgUIABCRAjIFCAAQkQIyBQgAEJECMgsIABCABBCxAxCDATIFCAAQgAQyCwgAEIAEELEDEIMBMgsIABCABBCxAxCDATIFCAAQgAQ6CggAEEcQ1gQQsAM6BAgAEEM6CwguEIAEELEDEIMBOggILhCxAxCDAToOCC4QgAQQsQMQgwEQ1AI6CwgAEIAEELEDEMkDOgUIABCSAzoLCC4QgAQQxwEQ0QM6CAgAELEDEIMBOggIABCABBCxA0oECEEYAEoECEYYAFC4ClizHGD0IGgCcAF4AIABhQKIAYsOkgEFMy45LjGYAQCgAQHIAQjAAQE&sclient=gws-wiz>  Middle image source:  <https://en.wikipedia.org/wiki/BRAF_(gene)>  <https://upload.wikimedia.org/wikipedia/commons/a/af/Protein_BRAF_PDB_1uwh.png>  Left image source: reuse: vemurafenib-w670-h1121.png Vemurafenib diagram Source: https://www.google.com/search?q=vemurafenib&oq=Vemurafenib&aqs=chrome.0.69i59i131i433i512j0i512l9.3879j0j15&sourceid=chrome&ie=UTF-8 |
| Mahi issue/question |  |

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| Identifier | kg-item-19 |
| Page title | Implicit relations for hypothesis generation ABC model |
| Planned actions |  |
| Jay comments: 22-09-08 | Create as SVG    Image will display width of slide. Slide has title. Slide has attachment with text about Swanson |
| Mahi issue/question |  |

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| Identifier | kg-item-20 |
| Page title | Open Discovery and Closed Discovery |
| Planned actions | Need create new svg |
| Jay comments: 22-09-08 | Subset of kg-item-19 |
| Mahi issue/question |  |

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| Identifier | kg-item-21 |
| Page title | Example question: drug repurposing |
| Planned actions |  |
| Jay comments: 22-09-08 | This is a two column grid. HTML text in column 1, New SVG in column 2. |
| Mahi issue/question |  |

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| Identifier | kg-item-22 |
| Page title | Implicit relations for hypothesis generation |
| Planned actions |  |
| Jay comments: 22-09-08 | Reuse subset from kg-item-20  Under “Drug” reuse: vemurafenib-w670-h1121.png  Under genes, reuse (from kg-item-18): <https://en.wikipedia.org/wiki/BRAF_(gene)>. https://upload.wikimedia.org/wikipedia/commons/a/af/Protein\_BRAF\_PDB\_1uwh.png  Under disease, reuse (from kg-item-18):  https://www.google.com/search?q=breast+cancer&sxsrf=ALiCzsYwqH2w\_q9KbP2A6rDW87f77Y-Qng%3A1662649901437&ei=LQYaY6ifGsGoptQP9YGmSA&ved=0ahUKEwjo6YrGvYX6AhVBlIkEHfWACQkQ4dUDCA0&uact=5&oq=breast+cancer&gs\_lcp=Cgdnd3Mtd2l6EAMyBAgjECcyBQgAEJECMgUIABCRAjIFCAAQkQIyBQgAEJECMgsIABCABBCxAxCDATIFCAAQgAQyCwgAEIAEELEDEIMBMgsIABCABBCxAxCDATIFCAAQgAQ6CggAEEcQ1gQQsAM6BAgAEEM6CwguEIAEELEDEIMBOggILhCxAxCDAToOCC4QgAQQsQMQgwEQ1AI6CwgAEIAEELEDEMkDOgUIABCSAzoLCC4QgAQQxwEQ0QM6CAgAELEDEIMBOggIABCABBCxA0oECEEYAEoECEYYAFC4ClizHGD0IGgCcAF4AIABhQKIAYsOkgEFMy45LjGYAQCgAQHIAQjAAQE&sclient=gws-wiz |
| Mahi issue/question |  |

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| Identifier | kg-item-23 |
| Page title | Querying a knowledge graph with SPARQL |
| Planned actions |  |
| Jay comments: 22-09-08 | This slide uses a 2-column grid. Column 1 is HTML text. Column 2: reproduce as SVG: |
| Mahi issue/question |  |

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| Identifier | kg-item-24 |
| Page title | Metformin’s unique id: Q19484 Treats property id: P2175 (1) |
| Planned actions |  |
| Jay comments: 22-09-08 | This slide features a single SVG (no columns) recreating this image:  The URL goes to an attachment |
| Mahi issue/question |  |

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| Identifier | kg-item-25 |
| Page title | Metformin’s unique id: Q19484 Treats property id: P2175 (2) |
| Planned actions |  |
| Jay comments: 22-09-08 | Like kg-item-24, this page features a single SVG recreating this image: |
| Mahi issue/question |  |

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| Identifier | kg-item-26 |
| Page title | Example question: drug repurposing |
| Planned actions |  |
| Jay comments: 22-09-08 | This page uses H2 and H3 for text grid column 1 will display an SVG recreating this image:  Grid column 2 will display an SVG recreating this image: |
| Mahi issue/question |  |

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| Identifier | kg-item-27 |
| Page title | Example question: repurposing Metformin |
| Planned actions |  |
| Jay comments: 22-09-08 | This page uses a two column grid. Column 1 will feature an SVG recreating this image:  Column 2 will feature an SVG recreating this image:  the URL will move to an attachment |
| Mahi issue/question |  |

Design points

Like Sowa, for SVG use NotoSans and font-size: 18  
Text-box-width equals 120% of text-string-length