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# Uploading pedigrees into IWIS3 and IBIS

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## What is IWIS3?

- International Wheat Information System (CIMMYT information system) – called IWIS
  - ICIS version of the information system – called IWIS3
  - Includes data from research institutes – AAFC and UQ
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## Past issues .. have we conquered them?

- Conversion process complicated, lengthy process
    - Different errors in different versions
    - Sometimes same errors are repeated in different versions
    - Inconsistency in settings – eg. Name types
    - Inconsistent time intervals between updates
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# Current issues to be addressed

- Conflicts in pedigree information – from external sources
    - Need to be resolved by local database administrator rather than the central database administrator
    - Conflicts should be discussed on the IWIS3 forum on CropForge prior to any action being taken.
  - Unknown sources for derivatives – what should GPID2 be?
    - GPID2 should be 0 – any other value will influence the COP (coefficient of parentage) calculations
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# Current issues to be addressed

- All tables from the local database need to be uploaded:
    - Problems with missing UDFLD values in central
  - Continue to improve data validation tools and develop an administrator's tool:
    - Cuts down on the lengthy process of uploading and fixing errors.
  - Set a regular interval between updates
    - Each workshop? Every 6 months?
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# Other questions/suggestions

- Regional central databases
    - Intermediate databases between the Central and the local
    - Means of sharing pedigrees with only a selected group of people
    - When these pedigrees become public
      - What is the procedure to upload them to Central
      - Complications?
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# Other questions/suggestions

- BROWSE tools
    - Can they be incorporated in SETGEN?
    - Most used
      - COP calculations
      - Search for crosses between two lines
      - List of progenitors/ancestors back to n generations
      - List of cultivars/fixed lines derived from a cross
      - Mendelgrams
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# Other questions/suggestions

- Continue to improve documentation on ICIS Wiki:
    - More input from local database administrators and users
    - Provide examples
  - Continue to establish protocols for entering germplasm and upload procedures
    - New users face a huge learning curve
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