



Biosecurity topic for Global Issues

Global Issues Problem Solving Competition & Evaluation

IC 2017
University of Wisconsin
La Crosse (UWL)

7-11 June 2017

Hosted by Minnesota and Wisconsin Future Problem Solving Programs

Global Issues Problem Solving

General Competition Information

- **Allowed** in the competition room: pencil, pencil sharpener, pen, highlighter, dictionary, thesaurus, calculator (non-programmable), 1 unopened package of sticky notes, and a water bottle
- **Not allowed** in the GIPS competition rooms: notes/papers of any kind, electronic devices (Personal Digital Assistant, iPod, iPad), purses/back packs/tote bags, cell phones, food, and drinks (except water)

Special Session Opportunity for Senior Division Competitors

- Senior division GIPS competitors pre-register during IC Registration to attend a Saturday session on ALoU (Advantages, Limitations to overcome, and Unique opportunities).

GIPS Team Competition

- Four divisions - Junior, Middle, Senior, and Adult
- A minimum of **two** members of the *original advancing* team must participate at IC.
- Teams will have 2 hours (120 minutes) to complete their booklet.
- Adult division competitors will use ALoU for Step 5.
- Adult division teams (of 4) not able to attend IC may compete virtually for the fee of \$500.
- GIPS Teams **must participate** in the **Presentation of Action Plan (PAP)** to be competitive in GIPS.
- Each team attending IC may bring up to two additional problem solvers to compete in MAGIC.

GIPS Individual Competition

- Three divisions: Junior, Middle, and Senior
- Individuals will have 2 hours (120 minutes) to complete the booklet.
- Eight challenges and solution ideas will be completed in the booklet; five solutions will be analyzed on Step 5 grid.
- Each registered GIPS Individual attending may bring one additional problem solver to compete in MAGIC.

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Important Dates & Information

9 June	Future Scene available after competition
11 June	Booklets and Score sheets available in ROCS

Booklet & Score Sheet Access

The credentials for accessing IC booklets and score sheets is provided on the competition card in the IC check-in packet. Please keep this information safe - take a picture!

MAGIC Competition

- Four divisions: Junior, Middle, Senior, and Adult
- Teams are assigned randomly.
- Teams will be given time to communicate immediately prior to the start of the competition.
- Teams will have 90 minutes to complete a booklet modeled after the GIPS Individual booklet (8 challenges; 8 solution ideas; 5 solutions analyzed on the Step 5 grid).
- Coaches participating in Adult Division MAGIC competition will move to the Presentation of Action Plan meeting held in the team competition rooms immediately following the competition.

Special opportunity for senior division Competitors

Senior division MAGIC competitors may register to participate in the Presentation of Action Plan competition. Registration for this session during IC Registration.

Evaluation

Purpose of GIPS evaluation

The primary purpose of Global Issues Problem Solving (GIPS) evaluation is to provide coaches and students feedback that allows them to develop and improve their problem solving skills. GIPS is performance-based, and evaluation is authentic assessment of the team's/individual's booklet. Because there is no single "right" answer, FPSPI employs a variety of strategies to review student work using specific criteria to evaluate performance in each step. Skill improvement remains the most important aspect of evaluation; however, since GIPS also involves competition and competition scoring must be impartial, a secondary purpose of evaluation is to provide a fair, consistent, and reliable method for comparing teams/individuals in a Global Issues Problem Solving competition.

While it is expected that teams and individuals who reach the International Conference are strong in the areas of research and in the use of the 6-step Problem Solving process, the best teams and individuals spontaneously respond to the details in the Future Scene.

GIPS evaluation at IC

- All booklets and evaluators are assigned a code to ensure anonymity.
- Prior to evaluation: Evaluators attend sessions according to divisions for the purpose of discussing and coming to a consensus on Focus and Adequacy scores for Step 2 in each booklet.
- Evaluation is performed in rounds.

First Round

- Each booklet receives two evaluations. *Note of exception: Should the Adult Division contain fewer than 10 teams, evaluation is performed collaboratively by a team of three evaluators with determination of places by total score.
- Evaluation packets consist of 7 or 8 booklets randomly assigned.
- Total score for each booklet is used by each evaluator to determine the booklet's rank within the packet.
- Depending on the overall quality of each booklet, evaluators recommend whether a booklet should advance (A) to the next round, should be considered (C) for advancement, or should not (N) advance.
- Scores, ranks, and recommendations are used to determine advancement to next round.
- Booklets with the following exceptions may also advance to next round:
 - Any booklet receiving a first-place rank from both evaluators (mandatory)
 - Any booklet recommended for advancement by both evaluators
 - Any booklet with significant discrepancy in score or ranks are considered

Second Round - Paired Comparison Analysis (Final Round for GIPS Individuals and MAGIC)

- Paired Comparison Analysis (PCA) consists of head to head comparison of all booklets to determine rank.
- PCA is performed collaboratively by a team of three evaluators.

Final Round (GIPS Teams only)

- Top 5 booklets in each division from PCA enter Final Round.
- Scores from 1st round and PCA are not considered in Final Round evaluation.
- A final evaluation by a team of 4 evaluators is completed to determine placement.